Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
1	08+752	780055.519	1436470.292
2	08+762	780054.893	1436460.312
3	08+772	780054.267	1436450.331
4	08+782	780053.641	1436440.351
5	08+792	780053.015	1436430.37
6	08+802	780052.389	1436420.39
7	08+812	780051.763	1436410.41
8	08+822	780051.137	1436400.429
9	08+832	780050.511	1436390.449
10	08+842	780049.884	1436380.469
11	08+852	780049.258	1436370.488
12	08+862	780048.632	1436360.508
13	08+872	780048.006	1436350.527
14	08+882	780047.380	1436340.547
15	08+892	780046.754	1436330.567
16	08+902	780046.128	1436320.586
17	08+912	780045.502	1436310.606
18	08+922	780044.876	1436300.625
19	08+932	780044.250	1436290.645
20	08+942	780043.624	1436280.665
21	08+952	780042.998	1436270.684
22	08+962	780042.372	1436260.704
23	08+972	780041.745	1436250.724
24	08+982	780041.119	1436240.743
25	08+992	780040.493	1436230.763
26	09+002	780039.867	1436220.782
27	09+012	780039.241	1436210.802
28	09+022	780038.615	1436200.822
29	09+032	780037.989	1436190.841
30	09+042	780037.363	1436180.861
31	09+052	780036.737	1436170.88
32	09+062	780036.111	1436160.9
33	09+072	780035.485	1436150.92
34	09+082	780034.859	1436140.939
35	09+092	780034.233	1436130.959
36	09+102	780033.607	1436120.979
37	09+112	780032.980	1436110.998
38	09+122	780032.354	1436101.018
39	09+132	780031.728	1436091.037
40	09+142	780031.102	1436081.057
41	09+152	780030.476	1436071.077
42	09+162	780029.850	1436061.096
43	09+172	780029.224	1436051.116
44	09+182	780028.598	1436041.136
45	09+192	780027.972	1436031.155
46	09+202	780027.346	1436021.175
47	09+212	780026.720	1436011.194
48	09+222	780026.094	1436001.214
49	09+232	780025.468	1435991.234
50	09+242	780024.841	1435981.253
51	09+252	780024.215	1435971.273

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
52	09+262	780023.589	1435961.292
53	09+272	780022.963	1435951.312
54	09+282	780022.337	1435941.332
55	09+292	780021.711	1435931.351
56	09+302	780021.085	1435921.371
57	09+312	780020.459	1435911.391
58	09+322	780019.833	1435901.41
59	09+332	780019.207	1435891.43
60	09+342	780018.581	1435881.449
61	09+352	780017.955	1435871.469
62	09+362	780017.329	1435861.489
63	09+372	780016.704	1435851.508
64	09+382	780016.087	1435841.527
65	09+392	780015.485	1435831.545
66	09+402	780014.905	1435821.562
67	09+412	780014.355	1435811.577
68	09+422	780013.841	1435801.591
69	09+432	780013.371	1435791.602
70	09+442	780012.952	1435781.61
71	09+452	780012.592	1435771.617
72	09+462	780012.297	1435761.621
73	09+472	780012.076	1435751.624
74	09+482	780011.934	1435741.625
75	09+492	780011.875	1435731.625
76	09+502	780011.900	1435721.625
77	09+512	780012.008	1435711.626
78	09+522	780012.199	1435701.628
79	09+532	780012.474	1435691.631
80	09+542	780012.832	1435681.638
81	09+552	780013.273	1435671.648
82	09+562	780013.798	1435661.661
83	09+572	780014.406	1435651.68
84	09+582	780015.096	1435641.704
85	09+592	780015.870	1435631.734
86	09+602	780016.727	1435621.771
87	09+612	780017.667	1435611.815
88	09+622	780018.690	1435601.867
89	09+632	780019.796	1435591.929
90	09+642	780020.985	1435582
91	09+652	780022.256	1435572.081
92	09+662	780023.610	1435562.173
93	09+672	780025.046	1435552.277
94	09+682	780026.565	1435542.393
95	09+692	780028.166	1435532.522
96	09+702	780029.850	1435522.664
97	09+712	780031.615	1435512.822
98	09+722	780033.462	1435502.994
99	09+732	780035.392	1435493.182
100	09+742	780037.403	1435483.386
101	09+752	780039.495	1435473.607
102	09+762	780041.669	1435463.847

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
103	09+772	780043.924	1435454.104
104	09+782	780046.260	1435444.381
105	09+792	780048.678	1435434.677
106	09+802	780051.176	1435424.995
107	09+812	780053.754	1435415.333
108	09+822	780056.411	1435405.692
109	09+832	780059.141	1435396.072
110	09+842	780061.935	1435386.47
111	09+852	780064.787	1435376.886
112	09+862	780067.690	1435367.316
113	09+872	780070.637	1435357.76
114	09+882	780073.621	1435348.216
115	09+892	780076.635	1435338.681
116	09+902	780079.671	1435329.153
117	09+912	780082.724	1435319.631
118	09+922	780085.786	1435310.111
119	09+932	780088.851	1435300.592
120	09+942	780091.916	1435291.073
121	09+952	780094.980	1435281.555
122	09+962	780098.045	1435272.036
123	09+972	780101.110	1435262.517
124	09+982	780104.175	1435252.998
125	09+992	780107.239	1435243.479
126	10+002	780110.304	1435233.961
127	10+012	780113.369	1435224.442
128	10+022	780116.434	1435214.923
129	10+032	780119.498	1435205.404
130	10+042	780122.563	1435195.885
131	10+052	780125.628	1435186.367
132	10+062	780128.693	1435176.848
133	10+072	780131.757	1435167.329
134	10+082	780134.822	1435157.81
135	10+092	780137.887	1435148.291
136	10+102	780140.952	1435138.773
137	10+112	780144.016	1435129.254
138	10+122	780147.081	1435119.735
139	10+132	780150.146	1435110.216
140	10+142	780153.211	1435100.698
141	10+152	780156.275	1435091.179
142	10+162	780159.340	1435081.66
143	10+172	780162.405	1435072.141
144	10+182	780165.470	1435062.622
145	10+192	780168.534	1435053.104
146	10+202	780171.599	1435043.585
147	10+212	780174.664	1435034.066
148	10+222	780177.728	1435024.547
149	10+232	780180.793	1435015.028
150	10+242	780183.858	1435005.51
151	10+252	780186.923	1434995.991
152	10+262	780189.987	1434986.472
153	10+272	780193.052	1434976.953

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
154	10+282	780196.117	1434967.434
155	10+292	780199.182	1434957.916
156	10+302	780202.246	1434948.397
157	10+312	780205.311	1434938.878
158	10+322	780208.376	1434929.359
159	10+332	780211.441	1434919.841
160	10+342	780214.505	1434910.322
161	10+352	780217.570	1434900.803
162	10+362	780220.635	1434891.284
163	10+372	780223.700	1434881.765
164	10+382	780226.764	1434872.247
165	10+392	780229.829	1434862.728
166	10+402	780232.894	1434853.209
167	10+412	780235.959	1434843.69
168	10+422	780239.023	1434834.171
169	10+432	780242.088	1434824.653
170	10+442	780245.153	1434815.134
171	10+452	780248.218	1434805.615
172	10+462	780251.282	1434796.096
173	10+472	780254.347	1434786.577
174	10+482	780257.412	1434777.059
175	10+492	780260.476	1434767.54
176	10+502	780263.541	1434758.021
177	10+512	780266.606	1434748.502
178	10+522	780269.671	1434738.984
179	10+532	780272.735	1434729.465
180	10+542	780275.800	1434719.946
181	10+552	780278.865	1434710.427
182	10+562	780281.930	1434700.908
183	10+572	780284.994	1434691.39
184	10+582	780288.059	1434681.871
185	10+592	780291.124	1434672.352
186	10+602	780294.189	1434662.833
187	10+612	780297.253	1434653.314
188	10+622	780300.318	1434643.796
189	10+632	780303.383	1434634.277
190	10+642	780306.448	1434624.758
191	10+652	780309.512	1434615.239
192	10+662	780312.577	1434605.72
193	10+672	780315.642	1434596.202
194	10+682	780318.707	1434586.683
195	10+692	780321.771	1434577.164
196	10+702	780324.836	1434567.645
197	10+712	780327.901	1434558.127
198	10+722	780330.966	1434548.608
199	10+732	780334.030	1434539.089
200	10+742	780337.095	1434529.57
201	10+752	780340.160	1434520.051
202	10+762	780343.224	1434510.533
203	10+772	780346.289	1434501.014
204	10+782	780349.354	1434491.495

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
205	10+792	780352.419	1434481.976
206	10+802	780355.483	1434472.457
207	10+812	780358.548	1434462.939
208	10+822	780361.613	1434453.42
209	10+832	780364.678	1434443.901
210	10+842	780367.742	1434434.382
211	10+852	780370.807	1434424.863
212	10+862	780373.872	1434415.345
213	10+872	780376.937	1434405.826
214	10+882	780380.001	1434396.307
215	10+892	780383.066	1434386.788
216	10+902	780386.131	1434377.269
217	10+912	780389.196	1434367.751
218	10+922	780392.260	1434358.232
219	10+932	780395.325	1434348.713
220	10+942	780398.390	1434339.194
221	10+952	780401.455	1434329.676
222	10+962	780404.519	1434320.157
223	10+972	780407.584	1434310.638
224	10+982	780410.649	1434301.119
225	10+992	780413.714	1434291.6
226	11+002	780416.778	1434282.082
227	11+012	780419.843	1434272.563
228	11+022	780422.908	1434263.044
229	11+032	780425.972	1434253.525
230	11+042	780429.037	1434244.006
231	11+052	780432.102	1434234.488
232	11+062	780435.167	1434224.969
233	11+072	780438.231	1434215.45
234	11+082	780441.296	1434205.931
235	11+092	780444.361	1434196.412
236	11+102	780447.426	1434186.894
237	11+112	780450.490	1434177.375
238	11+122	780453.555	1434167.856
239	11+132	780456.620	1434158.337
240	11+142	780459.685	1434148.819
241	11+152	780462.749	1434139.3
242	11+162	780465.814	1434129.781
243	11+172	780468.879	1434120.262
244	11+182	780471.944	1434110.743
245	11+192	780475.008	1434101.225
246	11+202	780478.073	1434091.706
247	11+212	780481.138	1434082.187
248	11+222	780484.203	1434072.668
249	11+232	780487.267	1434063.149
250	11+242	780490.332	1434053.631
251	11+252	780493.397	1434044.112
252	11+262	780496.462	1434034.593
253	11+272	780499.526	1434025.074
254	11+282	780502.591	1434015.555
255	11+292	780505.656	1434006.037

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
256	11+302	780508.721	1433996.518
257	11+312	780511.785	1433986.999
258	11+322	780514.850	1433977.48
259	11+332	780517.915	1433967.962
260	11+342	780520.979	1433958.443
261	11+352	780524.044	1433948.924
262	11+362	780527.109	1433939.405
263	11+372	780530.174	1433929.886
264	11+382	780533.238	1433920.368
265	11+392	780536.303	1433910.849
266	11+402	780539.368	1433901.33
267	11+412	780542.433	1433891.811
268	11+422	780545.497	1433882.292
269	11+432	780548.562	1433872.774
270	11+442	780551.627	1433863.255
271	11+452	780554.692	1433853.736
272	11+462	780557.756	1433844.217
273	11+472	780560.821	1433834.698
274	11+482	780563.886	1433825.18
275	11+492	780566.951	1433815.661
276	11+502	780570.015	1433806.142
277	11+512	780573.080	1433796.623
278	11+522	780576.145	1433787.105
279	11+532	780579.210	1433777.586
280	11+542	780582.274	1433768.067
281	11+552	780585.339	1433758.548
282	11+562	780588.404	1433749.029
283	11+572	780591.469	1433739.511
284	11+582	780594.533	1433729.992
285	11+592	780597.598	1433720.473
286	11+602	780600.663	1433710.954
287	11+612	780603.727	1433701.435
288	11+622	780606.792	1433691.917
289	11+632	780609.857	1433682.398
290	11+642	780612.922	1433672.879
291	11+652	780615.986	1433663.36
292	11+662	780619.051	1433653.841
293	11+672	780622.116	1433644.323
294	11+682	780625.181	1433634.804
295	11+692	780628.245	1433625.285
296	11+702	780631.310	1433615.766
297	11+712	780634.375	1433606.247
298	11+722	780637.440	1433596.729
299	11+732	780640.504	1433587.21
300	11+742	780643.569	1433577.691
301	11+752	780646.634	1433568.172
302	11+762	780649.699	1433558.654
303	11+772	780652.763	1433549.135
304	11+782	780655.828	1433539.616
305	11+792	780658.893	1433530.097
306	11+802	780661.958	1433520.578

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
307	11+812	780665.022	1433511.06
308	11+822	780668.087	1433501.541
309	11+832	780671.152	1433492.022
310	11+842	780674.217	1433482.503
311	11+852	780677.281	1433472.984
312	11+862	780680.346	1433463.466
313	11+872	780683.411	1433453.947
314	11+882	780686.475	1433444.428
315	11+892	780689.540	1433434.909
316	11+902	780692.605	1433425.39
317	11+912	780695.670	1433415.872
318	11+922	780698.734	1433406.353
319	11+932	780701.799	1433396.834
320	11+942	780704.864	1433387.315
321	11+952	780707.929	1433377.797
322	11+962	780710.993	1433368.278
323	11+972	780714.058	1433358.759
324	11+982	780717.123	1433349.24
325	11+992	780720.188	1433339.721
326	12+002	780723.252	1433330.203
327	12+012	780726.317	1433320.684
328	12+022	780729.382	1433311.165
329	12+032	780732.447	1433301.646
330	12+042	780735.511	1433292.127
331	12+052	780738.576	1433282.609
332	12+062	780741.641	1433273.09
333	12+072	780744.706	1433263.571
334	12+082	780747.770	1433254.052
335	12+092	780750.835	1433244.533
336	12+102	780753.900	1433235.015
337	12+112	780756.965	1433225.496
338	12+122	780760.029	1433215.977
339	12+132	780763.094	1433206.458
340	12+142	780766.159	1433196.94
341	12+152	780769.223	1433187.421
342	12+162	780772.288	1433177.902
343	12+172	780775.353	1433168.383
344	12+182	780778.418	1433158.864
345	12+192	780781.482	1433149.346
346	12+202	780784.547	1433139.827
347	12+212	780787.612	1433130.308
348	12+222	780790.677	1433120.789
349	12+232	780793.741	1433111.27
350	12+242	780796.806	1433101.752
351	12+252	780799.871	1433092.233
352	12+262	780802.936	1433082.714
353	12+272	780806.000	1433073.195
354	12+282	780809.065	1433063.676
355	12+292	780812.130	1433054.158
356	12+302	780815.195	1433044.639
357	12+312	780818.259	1433035.12

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
358	12+322	780821.324	1433025.601
359	12+332	780824.389	1433016.083
360	12+342	780827.454	1433006.564
361	12+352	780830.518	1432997.045
362	12+362	780833.583	1432987.526
363	12+372	780836.648	1432978.007
364	12+382	780839.713	1432968.489
365	12+392	780842.777	1432958.97
366	12+402	780845.842	1432949.451
367	12+412	780848.907	1432939.932
368	12+422	780851.971	1432930.413
369	12+432	780855.036	1432920.895
370	12+442	780858.101	1432911.376
371	12+452	780861.166	1432901.857
372	12+462	780864.230	1432892.338
373	12+472	780867.295	1432882.819
374	12+482	780870.360	1432873.301
375	12+492	780873.425	1432863.782
376	12+502	780876.489	1432854.263
377	12+512	780879.554	1432844.744
378	12+522	780882.619	1432835.226
379	12+532	780885.684	1432825.707
380	12+542	780888.748	1432816.188
381	12+552	780891.813	1432806.669
382	12+562	780894.878	1432797.15
383	12+572	780897.943	1432787.632
384	12+582	780901.007	1432778.113
385	12+592	780904.072	1432768.594
386	12+602	780907.137	1432759.075
387	12+612	780910.202	1432749.556
388	12+622	780913.266	1432740.038
389	12+632	780916.331	1432730.519
390	12+642	780919.396	1432721
391	12+652	780922.461	1432711.481
392	12+662	780925.525	1432701.962
393	12+672	780928.590	1432692.444
394	12+682	780931.655	1432682.925
395	12+692	780934.719	1432673.406
396	12+702	780937.784	1432663.887
397	12+712	780940.849	1432654.368
398	12+722	780943.914	1432644.85
399	12+732	780946.978	1432635.331
400	12+742	780950.043	1432625.812
401	12+752	780953.108	1432616.293
402	12+762	780956.173	1432606.775
403	12+772	780959.237	1432597.256
404	12+782	780962.302	1432587.737
405	12+792	780965.367	1432578.218
406	12+802	780968.432	1432568.699
407	12+812	780971.496	1432559.181
408	12+822	780974.561	1432549.662

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
409	12+832	780977.626	1432540.143
410	12+842	780980.691	1432530.624
411	12+852	780983.755	1432521.105
412	12+862	780986.820	1432511.587
413	12+872	780989.885	1432502.068
414	12+882	780992.950	1432492.549
415	12+892	780996.014	1432483.03
416	12+902	780999.079	1432473.511
417	12+912	781002.144	1432463.993
418	12+922	781005.209	1432454.474
419	12+932	781008.273	1432444.955
420	12+942	781011.338	1432435.436
421	12+952	781014.403	1432425.918
422	12+962	781017.467	1432416.399
423	12+972	781020.532	1432406.88
424	12+982	781023.597	1432397.361
425	12+992	781026.662	1432387.842
426	13+002	781029.726	1432378.324
427	13+012	781032.791	1432368.805
428	13+022	781035.856	1432359.286
429	13+032	781038.921	1432349.767
430	13+042	781041.985	1432340.248
431	13+052	781045.050	1432330.73
432	13+062	781048.115	1432321.211
433	13+072	781051.180	1432311.692
434	13+082	781054.244	1432302.173
435	13+092	781057.309	1432292.654
436	13+102	781060.374	1432283.136
437	13+112	781063.440	1432273.617
438	13+122	781066.519	1432264.103
439	13+132	781069.633	1432254.6
440	13+142	781072.802	1432245.116
441	13+152	781076.046	1432235.657
442	13+162	781079.385	1432226.231
443	13+172	781082.841	1432216.847
444	13+182	781086.431	1432207.514
445	13+192	781090.177	1432198.242
446	13+202	781094.097	1432189.042
447	13+212	781098.208	1432179.927
448	13+222	781102.530	1432170.909
449	13+232	781107.074	1432162.002
450	13+242	781111.840	1432153.21
451	13+252	781116.823	1432144.541
452	13+262	781122.022	1432135.999
453	13+272	781127.432	1432127.589
454	13+282	781133.051	1432119.318
455	13+292	781138.876	1432111.189
456	13+302	781144.901	1432103.209
457	13+312	781151.124	1432095.381
458	13+322	781157.541	1432087.712
459	13+332	781164.148	1432080.205

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
460	13+342	781170.940	1432072.866
461	13+352	781177.913	1432065.699
462	13+362	781185.064	1432058.709
463	13+372	781192.387	1432051.899
464	13+382	781199.878	1432045.275
465	13+392	781207.532	1432038.84
466	13+402	781215.344	1432032.598
467	13+412	781223.310	1432026.553
468	13+422	781231.416	1432020.697
469	13+432	781239.645	1432015.017
470	13+442	781247.983	1432009.495
471	13+452	781256.413	1432004.117
472	13+462	781264.923	1431998.865
473	13+472	781273.499	1431993.722
474	13+482	781282.128	1431988.669
475	13+492	781290.800	1431983.689
476	13+502	781299.502	1431978.762
477	13+512	781308.224	1431973.871
478	13+522	781316.956	1431968.996
479	13+532	781325.688	1431964.123
480	13+542	781334.420	1431959.25
481	13+552	781343.152	1431954.377
482	13+562	781351.885	1431949.504
483	13+572	781360.617	1431944.631
484	13+582	781369.349	1431939.758
485	13+592	781378.082	1431934.885
486	13+602	781386.814	1431930.012
487	13+612	781395.546	1431925.139
488	13+622	781404.279	1431920.266
489	13+632	781413.011	1431915.393
490	13+642	781421.743	1431910.52
491	13+652	781430.476	1431905.647
492	13+662	781439.208	1431900.774
493	13+672	781447.940	1431895.9
494	13+682	781456.673	1431891.027
495	13+692	781465.405	1431886.154
496	13+702	781474.137	1431881.281
497	13+712	781482.870	1431876.408
498	13+722	781491.602	1431871.535
499	13+732	781500.334	1431866.662
500	13+742	781509.067	1431861.789
501	13+752	781517.799	1431856.916
502	13+762	781526.531	1431852.043
503	13+772	781535.264	1431847.17
504	13+782	781543.996	1431842.297
505	13+792	781552.728	1431837.424
506	13+802	781561.460	1431832.551
507	13+812	781570.193	1431827.678
508	13+822	781578.925	1431822.805
509	13+832	781587.657	1431817.932
510	13+842	781596.390	1431813.059

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
511	13+852	781605.122	1431808.186
512	13+862	781613.854	1431803.313
513	13+872	781622.587	1431798.44
514	13+882	781631.319	1431793.567
515	13+892	781640.051	1431788.693
516	13+902	781648.784	1431783.82
517	13+912	781657.516	1431778.947
518	13+922	781666.248	1431774.074
519	13+932	781674.981	1431769.201
520	13+942	781683.713	1431764.328
521	13+952	781692.445	1431759.455
522	13+962	781701.178	1431754.582
523	13+972	781709.910	1431749.709
524	13+982	781718.642	1431744.836
525	13+992	781727.375	1431739.963
526	14+002	781736.107	1431735.09
527	14+012	781744.839	1431730.217
528	14+022	781753.572	1431725.344
529	14+032	781762.304	1431720.471
530	14+042	781771.036	1431715.598
531	14+052	781779.768	1431710.725
532	14+062	781788.501	1431705.852
533	14+072	781797.233	1431700.979
534	14+082	781805.965	1431696.106
535	14+092	781814.698	1431691.233
536	14+102	781823.430	1431686.359
537	14+112	781832.162	1431681.486
538	14+122	781840.895	1431676.613
539	14+132	781849.627	1431671.74
540	14+142	781858.359	1431666.867
541	14+152	781867.092	1431661.994
542	14+162	781875.824	1431657.121
543	14+172	781884.556	1431652.248
544	14+182	781893.289	1431647.375
545	14+192	781902.021	1431642.502
546	14+202	781910.753	1431637.629
547	14+212	781919.486	1431632.756
548	14+222	781928.218	1431627.883
549	14+232	781936.950	1431623.01
550	14+242	781945.683	1431618.137
551	14+252	781954.415	1431613.264
552	14+262	781963.147	1431608.391
553	14+272	781971.880	1431603.518
554	14+282	781980.612	1431598.645
555	14+292	781989.344	1431593.772
556	14+302	781998.077	1431588.899
557	14+312	782006.809	1431584.026
558	14+322	782015.541	1431579.152
559	14+332	782024.273	1431574.279
560	14+342	782033.006	1431569.406
561	14+352	782041.738	1431564.533

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
562	14+362	782050.470	1431559.66
563	14+372	782059.203	1431554.787
564	14+382	782067.935	1431549.914
565	14+392	782076.667	1431545.041
566	14+402	782085.400	1431540.168
567	14+412	782094.132	1431535.295
568	14+422	782102.864	1431530.422
569	14+432	782111.597	1431525.549
570	14+442	782120.329	1431520.676
571	14+452	782129.061	1431515.803
572	14+462	782137.794	1431510.93
573	14+472	782146.526	1431506.057
574	14+482	782155.258	1431501.184
575	14+492	782163.991	1431496.311
576	14+502	782172.723	1431491.438
577	14+512	782181.455	1431486.565
578	14+522	782190.188	1431481.692
579	14+532	782198.920	1431476.818
580	14+542	782207.652	1431471.945
581	14+552	782216.385	1431467.072
582	14+562	782225.117	1431462.199
583	14+572	782233.849	1431457.326
584	14+582	782242.581	1431452.453
585	14+592	782251.316	1431447.585
586	14+602	782260.073	1431442.755
587	14+612	782268.878	1431438.014
588	14+622	782277.753	1431433.407
589	14+632	782286.704	1431428.949
590	14+642	782295.728	1431424.64
591	14+652	782304.822	1431420.482
592	14+662	782313.985	1431416.476
593	14+672	782323.213	1431412.624
594	14+682	782332.504	1431408.926
595	14+692	782341.855	1431405.383
596	14+702	782351.264	1431401.996
597	14+712	782360.728	1431398.767
598	14+722	782370.245	1431395.696
599	14+732	782379.811	1431392.784
600	14+742	782389.425	1431390.032
601	14+752	782399.083	1431387.441
602	14+762	782408.783	1431385.011
603	14+772	782418.523	1431382.742
604	14+782	782428.298	1431380.637
605	14+792	782438.105	1431378.68
606	14+802	782447.931	1431376.822
607	14+812	782457.765	1431375.01
608	14+822	782467.601	1431373.203
609	14+832	782477.436	1431371.395
610	14+842	782487.271	1431369.588
611	14+852	782497.107	1431367.781
612	14+862	782506.942	1431365.974

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
613	14+872	782516.777	1431364.167
614	14+882	782526.613	1431362.359
615	14+892	782536.448	1431360.552
616	14+902	782546.283	1431358.745
617	14+912	782556.119	1431356.938
618	14+922	782565.954	1431355.13
619	14+932	782575.789	1431353.323
620	14+942	782585.625	1431351.516
621	14+952	782595.460	1431349.709
622	14+962	782605.295	1431347.902
623	14+972	782615.131	1431346.094
624	14+982	782624.966	1431344.287
625	14+992	782634.801	1431342.48
626	15+002	782644.637	1431340.673
627	15+012	782654.472	1431338.865
628	15+022	782664.307	1431337.058
629	15+032	782674.143	1431335.251
630	15+042	782683.978	1431333.444
631	15+052	782693.813	1431331.637
632	15+062	782703.649	1431329.829
633	15+072	782713.484	1431328.022
634	15+082	782723.319	1431326.215
635	15+092	782733.155	1431324.408
636	15+102	782742.990	1431322.6
637	15+112	782752.825	1431320.793
638	15+122	782762.661	1431318.986
639	15+132	782772.496	1431317.179
640	15+142	782782.331	1431315.372
641	15+152	782792.167	1431313.564
642	15+162	782802.002	1431311.757
643	15+172	782811.838	1431309.95
644	15+182	782821.673	1431308.143
645	15+192	782831.508	1431306.335
646	15+202	782841.344	1431304.528
647	15+212	782851.179	1431302.721
648	15+222	782861.014	1431300.914
649	15+232	782870.850	1431299.107
650	15+242	782880.685	1431297.299
651	15+252	782890.520	1431295.492
652	15+262	782900.356	1431293.685
653	15+272	782910.191	1431291.878
654	15+282	782920.026	1431290.07
655	15+292	782929.862	1431288.263
656	15+302	782939.697	1431286.456
657	15+312	782949.532	1431284.649
658	15+322	782959.368	1431282.842
659	15+332	782969.203	1431281.034
660	15+342	782979.038	1431279.227
661	15+352	782988.874	1431277.42
662	15+362	782998.709	1431275.613
663	15+372	783008.544	1431273.805

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
664	15+382	783018.380	1431271.998
665	15+392	783028.215	1431270.191
666	15+402	783038.050	1431268.384
667	15+412	783047.886	1431266.577
668	15+422	783057.721	1431264.769
669	15+432	783067.556	1431262.962
670	15+442	783077.392	1431261.155
671	15+452	783087.227	1431259.348
672	15+462	783097.062	1431257.54
673	15+472	783106.891	1431255.697
674	15+482	783116.698	1431253.74
675	15+492	783126.463	1431251.589
676	15+502	783136.173	1431249.198
677	15+512	783145.820	1431246.565
678	15+522	783155.398	1431243.692
679	15+532	783164.901	1431240.58
680	15+542	783174.324	1431237.232
681	15+552	783183.659	1431233.649
682	15+562	783192.903	1431229.834
683	15+572	783202.048	1431225.789
684	15+582	783211.089	1431221.517
685	15+592	783220.021	1431217.02
686	15+602	783228.837	1431212.301
687	15+612	783237.532	1431207.363
688	15+622	783246.102	1431202.209
689	15+632	783254.540	1431196.843
690	15+642	783262.841	1431191.268
691	15+652	783271.000	1431185.487
692	15+662	783279.012	1431179.503
693	15+672	783286.872	1431173.321
694	15+682	783294.575	1431166.945
695	15+692	783302.117	1431160.378
696	15+702	783309.491	1431153.625
697	15+712	783316.695	1431146.689
698	15+722	783323.723	1431139.576
699	15+732	783330.571	1431132.289
700	15+742	783337.235	1431124.833
701	15+752	783343.710	1431117.213
702	15+762	783349.993	1431109.433
703	15+772	783356.079	1431101.499
704	15+782	783361.965	1431093.415
705	15+792	783367.647	1431085.187
706	15+802	783373.122	1431076.819
707	15+812	783378.386	1431068.316
708	15+822	783383.435	1431059.685
709	15+832	783388.268	1431050.931
710	15+842	783392.880	1431042.058
711	15+852	783397.268	1431033.073
712	15+862	783401.431	1431023.981
713	15+872	783405.365	1431014.787
714	15+882	783409.068	1431005.499

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
715	15+892	783412.538	1430996.12
716	15+902	783415.772	1430986.658
717	15+912	783418.769	1430977.118
718	15+922	783421.526	1430967.506
719	15+932	783424.042	1430957.828
720	15+942	783426.316	1430948.09
721	15+952	783428.354	1430938.3
722	15+962	783430.218	1430928.475
723	15+972	783431.991	1430918.633
724	15+982	783433.743	1430908.788
725	15+992	783435.496	1430898.943
726	16+000	783436.904	1430891.028

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

Centerline Coordinates to Approach to TBM tunnel Centre Line Tube-I (LHS)

SL No.	Station	Easting	Northing
1	16+010	783438.717	1430881.234
2	16+020	783440.504	1430871.395
3	16+030	783442.290	1430861.556
4	16+040	783444.077	1430851.717
5	16+050	783445.863	1430841.877
6	16+060	783447.650	1430832.038
7	16+070	783449.436	1430822.199
8	16+080	783451.223	1430812.360
9	16+090	783453.009	1430802.521
10	16+100	783454.795	1430792.682
11	16+110	783456.582	1430782.843
12	16+120	783458.368	1430773.003
13	16+130	783460.155	1430763.164
14	16+140	783461.993	1430753.335
15	16+150	783464.076	1430743.555
16	16+160	783466.619	1430733.885
17	16+170	783469.826	1430724.416
18	16+180	783473.885	1430715.282
19	16+190	783478.911	1430706.642
20	16+200	783484.863	1430698.613
21	16+210	783491.669	1430691.294
22	16+220	783499.245	1430684.774
23	16+230	783507.497	1430679.135
24	16+240	783516.323	1430674.445
25	16+250	783525.615	1430670.763
26	16+260	783535.258	1430668.134
27	16+270	783545.133	1430666.590
28	16+280	783555.118	1430666.151
29	16+290	783565.091	1430666.822
30	16+300	783574.928	1430668.590
31	16+310	783584.543	1430671.328
32	16+320	783593.916	1430674.806
33	16+330	783603.083	1430678.800
34	16+340	783612.112	1430683.098
35	16+350	783621.090	1430687.501
36	16+360	783630.067	1430691.909
37	16+370	783639.043	1430696.316
38	16+380	783648.019	1430700.724
39	16+390	783656.996	1430705.131
40	16+400	783665.972	1430709.538
41	16+410	783674.948	1430713.946
42	16+420	783683.925	1430718.353
43	16+430	783692.901	1430722.761
44	16+440	783701.904	1430727.114
45	16+450	783711.016	1430731.231

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
46	16+460	783720.316	1430734.902
47	16+470	783729.851	1430737.909
48	16+480	783739.621	1430740.018
49	16+490	783749.562	1430741.052
50	16+500	783759.557	1430740.978
51	16+510	783769.482	1430739.795
52	16+520	783779.214	1430737.520
53	16+530	783788.634	1430734.179
54	16+540	783797.625	1430729.814
55	16+550	783806.078	1430724.480
56	16+560	783813.886	1430718.241
57	16+570	783820.978	1430711.197
58	16+580	783827.410	1430703.543
59	16+590	783833.310	1430695.471
60	16+600	783838.838	1430687.138
61	16+610	783844.172	1430678.680
62	16+620	783849.469	1430670.198
63	16+630	783854.767	1430661.717
64	16+640	783860.065	1430653.235
65	16+650	783865.362	1430644.754
66	16+660	783870.660	1430636.272
67	16+670	783875.957	1430627.791
68	16+680	783881.255	1430619.309
69	16+690	783886.553	1430610.828
70	16+700	783891.850	1430602.346
71	16+710	783897.148	1430593.865
72	16+720	783902.445	1430585.383
73	16+730	783907.743	1430576.902
74	16+740	783913.041	1430568.420
75	16+745	783915.714	1430564.140

Centerline Coordinates of Tube-II (RHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
1	08+755	780023.638	1436441.239
2	08+765	780023.012	1436431.258
3	08+775	780022.385	1436421.278
4	08+785	780021.759	1436411.298
5	08+795	780021.133	1436401.317
6	08+805	780020.507	1436391.337
7	08+815	780019.881	1436381.357
8	08+825	780019.255	1436371.376
9	08+835	780018.629	1436361.396
10	08+845	780018.003	1436351.415
11	08+855	780017.377	1436341.435
12	08+865	780016.751	1436331.455
13	08+875	780016.125	1436321.474
14	08+885	780015.499	1436311.494
15	08+895	780014.873	1436301.513

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
16	08+905	780014.247	1436291.533
17	08+915	780013.620	1436281.553
18	08+925	780012.994	1436271.572
19	08+935	780012.368	1436261.592
20	08+945	780011.742	1436251.612
21	08+955	780011.116	1436241.631
22	08+965	780010.490	1436231.651
23	08+975	780009.864	1436221.670
24	08+985	780009.238	1436211.690
25	08+995	780008.612	1436201.710
26	09+005	780007.986	1436191.729
27	09+015	780007.360	1436181.749
28	09+025	780006.734	1436171.768
29	09+035	780006.108	1436161.788
30	09+045	780005.481	1436151.808
31	09+055	780004.855	1436141.827
32	09+065	780004.229	1436131.847
33	09+075	780003.603	1436121.867
34	09+085	780002.977	1436111.886
35	09+095	780002.351	1436101.906
36	09+105	780001.725	1436091.925
37	09+115	780001.099	1436081.945
38	09+125	780000.473	1436071.965
39	09+135	779999.847	1436061.984
40	09+145	779999.221	1436052.004
41	09+155	779998.595	1436042.024
42	09+165	779997.969	1436032.043
43	09+175	779997.342	1436022.063
44	09+185	779996.716	1436012.082
45	09+195	779996.090	1436002.102
46	09+205	779995.464	1435992.122
47	09+215	779994.838	1435982.141
48	09+225	779994.212	1435972.161
49	09+235	779993.586	1435962.180
50	09+245	779992.960	1435952.200
51	09+255	779992.334	1435942.220
52	09+265	779991.708	1435932.239
53	09+275	779991.082	1435922.259
54	09+285	779990.456	1435912.279
55	09+295	779989.830	1435902.298
56	09+305	779989.204	1435892.318
57	09+315	779988.577	1435882.337
58	09+325	779987.951	1435872.357
59	09+335	779987.325	1435862.377
60	09+345	779986.699	1435852.396
61	09+355	779986.078	1435842.416
62	09+365	779985.468	1435832.434
63	09+375	779984.877	1435822.452
64	09+385	779984.312	1435812.468
65	09+395	779983.780	1435802.482
66	09+405	779983.289	1435792.494

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
67	09+415	779982.845	1435782.504
68	09+425	779982.457	1435772.511
69	09+435	779982.130	1435762.517
70	09+445	779981.873	1435752.520
71	09+455	779981.693	1435742.522
72	09+465	779981.596	1435732.522
73	09+475	779981.581	1435722.522
74	09+485	779981.650	1435712.522
75	09+495	779981.803	1435702.524
76	09+505	779982.038	1435692.526
77	09+515	779982.357	1435682.532
78	09+525	779982.760	1435672.540
79	09+535	779983.245	1435662.551
80	09+545	779983.814	1435652.568
81	09+555	779984.466	1435642.589
82	09+565	779985.201	1435632.616
83	09+575	779986.019	1435622.650
84	09+585	779986.920	1435612.690
85	09+595	779987.904	1435602.739
86	09+605	779988.971	1435592.796
87	09+615	779990.121	1435582.862
88	09+625	779991.353	1435572.939
89	09+635	779992.668	1435563.026
90	09+645	779994.066	1435553.124
91	09+655	779995.546	1435543.234
92	09+665	779997.109	1435533.357
93	09+675	779998.754	1435523.493
94	09+685	780000.481	1435513.643
95	09+695	780002.290	1435503.808
96	09+705	780004.181	1435493.989
97	09+715	780006.153	1435484.185
98	09+725	780008.208	1435474.399
99	09+735	780010.343	1435464.629
100	09+745	780012.560	1435454.878
101	09+755	780014.859	1435445.146
102	09+765	780017.238	1435435.433
103	09+775	780019.698	1435425.741
104	09+785	780022.239	1435416.069
105	09+795	780024.860	1435406.418
106	09+805	780027.556	1435396.789
107	09+815	780030.321	1435387.179
108	09+825	780033.147	1435377.586
109	09+835	780036.027	1435368.010
110	09+845	780038.954	1435358.448
111	09+855	780041.922	1435348.898
112	09+865	780044.922	1435339.359
113	09+875	780047.949	1435329.828
114	09+885	780050.995	1435320.304
115	09+895	780054.054	1435310.783
116	09+905	780057.118	1435301.264
117	09+915	780060.183	1435291.745

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
118	09+925	780063.248	1435282.226
119	09+935	780066.312	1435272.707
120	09+945	780069.377	1435263.189
121	09+955	780072.442	1435253.670
122	09+965	780075.507	1435244.151
123	09+975	780078.571	1435234.632
124	09+985	780081.636	1435225.113
125	09+995	780084.701	1435215.595
126	10+005	780087.766	1435206.076
127	10+015	780090.830	1435196.557
128	10+025	780093.895	1435187.038
129	10+035	780096.960	1435177.520
130	10+045	780100.025	1435168.001
131	10+055	780103.089	1435158.482
132	10+065	780106.154	1435148.963
133	10+075	780109.219	1435139.444
134	10+085	780112.283	1435129.926
135	10+095	780115.348	1435120.407
136	10+105	780118.413	1435110.888
137	10+115	780121.478	1435101.369
138	10+125	780124.542	1435091.850
139	10+135	780127.607	1435082.332
140	10+145	780130.672	1435072.813
141	10+155	780133.737	1435063.294
142	10+165	780136.801	1435053.775
143	10+175	780139.866	1435044.256
144	10+185	780142.931	1435034.738
145	10+195	780145.996	1435025.219
146	10+205	780149.060	1435015.700
147	10+215	780152.125	1435006.181
148	10+225	780155.190	1434996.663
149	10+235	780158.255	1434987.144
150	10+245	780161.319	1434977.625
151	10+255	780164.384	1434968.106
152	10+265	780167.449	1434958.587
153	10+275	780170.514	1434949.069
154	10+285	780173.578	1434939.550
155	10+295	780176.643	1434930.031
156	10+305	780179.708	1434920.512
157	10+315	780182.773	1434910.993
158	10+325	780185.837	1434901.475
159	10+335	780188.902	1434891.956
160	10+345	780191.967	1434882.437
161	10+355	780195.031	1434872.918
162	10+365	780198.096	1434863.399
163	10+375	780201.161	1434853.881
164	10+385	780204.226	1434844.362
165	10+395	780207.290	1434834.843
166	10+405	780210.355	1434825.324
167	10+415	780213.420	1434815.806
168	10+425	780216.485	1434806.287

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
169	10+435	780219.549	1434796.768
170	10+445	780222.614	1434787.249
171	10+455	780225.679	1434777.730
172	10+465	780228.744	1434768.212
173	10+475	780231.808	1434758.693
174	10+485	780234.873	1434749.174
175	10+495	780237.938	1434739.655
176	10+505	780241.003	1434730.136
177	10+515	780244.067	1434720.618
178	10+525	780247.132	1434711.099
179	10+535	780250.197	1434701.580
180	10+545	780253.262	1434692.061
181	10+555	780256.326	1434682.542
182	10+565	780259.391	1434673.024
183	10+575	780262.456	1434663.505
184	10+585	780265.521	1434653.986
185	10+595	780268.585	1434644.467
186	10+605	780271.650	1434634.949
187	10+615	780274.715	1434625.430
188	10+625	780277.779	1434615.911
189	10+635	780280.844	1434606.392
190	10+645	780283.909	1434596.873
191	10+655	780286.974	1434587.355
192	10+665	780290.038	1434577.836
193	10+675	780293.103	1434568.317
194	10+685	780296.168	1434558.798
195	10+695	780299.233	1434549.279
196	10+705	780302.297	1434539.761
197	10+715	780305.362	1434530.242
198	10+725	780308.427	1434520.723
199	10+735	780311.492	1434511.204
200	10+745	780314.556	1434501.685
201	10+755	780317.621	1434492.167
202	10+765	780320.686	1434482.648
203	10+775	780323.751	1434473.129
204	10+785	780326.815	1434463.610
205	10+795	780329.880	1434454.091
206	10+805	780332.945	1434444.573
207	10+815	780336.010	1434435.054
208	10+825	780339.074	1434425.535
209	10+835	780342.139	1434416.016
210	10+845	780345.204	1434406.498
211	10+855	780348.269	1434396.979
212	10+865	780351.333	1434387.460
213	10+875	780354.398	1434377.941
214	10+885	780357.463	1434368.422
215	10+895	780360.527	1434358.904
216	10+905	780363.592	1434349.385
217	10+915	780366.657	1434339.866
218	10+925	780369.722	1434330.347
219	10+935	780372.786	1434320.828

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
220	10+945	780375.851	1434311.310
221	10+955	780378.916	1434301.791
222	10+965	780381.981	1434292.272
223	10+975	780385.045	1434282.753
224	10+985	780388.110	1434273.234
225	10+995	780391.175	1434263.716
226	11+005	780394.240	1434254.197
227	11+015	780397.304	1434244.678
228	11+025	780400.369	1434235.159
229	11+035	780403.434	1434225.641
230	11+045	780406.499	1434216.122
231	11+055	780409.563	1434206.603
232	11+065	780412.628	1434197.084
233	11+075	780415.693	1434187.565
234	11+085	780418.758	1434178.047
235	11+095	780421.822	1434168.528
236	11+105	780424.887	1434159.009
237	11+115	780427.952	1434149.490
238	11+125	780431.017	1434139.971
239	11+135	780434.081	1434130.453
240	11+145	780437.146	1434120.934
241	11+155	780440.211	1434111.415
242	11+165	780443.275	1434101.896
243	11+175	780446.340	1434092.377
244	11+185	780449.405	1434082.859
245	11+195	780452.470	1434073.340
246	11+205	780455.534	1434063.821
247	11+215	780458.599	1434054.302
248	11+225	780461.664	1434044.784
249	11+235	780464.729	1434035.265
250	11+245	780467.793	1434025.746
251	11+255	780470.858	1434016.227
252	11+265	780473.923	1434006.708
253	11+275	780476.988	1433997.190
254	11+285	780480.052	1433987.671
255	11+295	780483.117	1433978.152
256	11+305	780486.182	1433968.633
257	11+315	780489.247	1433959.114
258	11+325	780492.311	1433949.596
259	11+335	780495.376	1433940.077
260	11+345	780498.441	1433930.558
261	11+355	780501.506	1433921.039
262	11+365	780504.570	1433911.520
263	11+375	780507.635	1433902.002
264	11+385	780510.700	1433892.483
265	11+395	780513.765	1433882.964
266	11+405	780516.829	1433873.445
267	11+415	780519.894	1433863.927
268	11+425	780522.959	1433854.408
269	11+435	780526.023	1433844.889
270	11+445	780529.088	1433835.370

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
271	11+455	780532.153	1433825.851
272	11+465	780535.218	1433816.333
273	11+475	780538.282	1433806.814
274	11+485	780541.347	1433797.295
275	11+495	780544.412	1433787.776
276	11+505	780547.477	1433778.257
277	11+515	780550.541	1433768.739
278	11+525	780553.606	1433759.220
279	11+535	780556.671	1433749.701
280	11+545	780559.736	1433740.182
281	11+555	780562.800	1433730.663
282	11+565	780565.865	1433721.145
283	11+575	780568.930	1433711.626
284	11+585	780571.995	1433702.107
285	11+595	780575.059	1433692.588
286	11+605	780578.124	1433683.070
287	11+615	780581.189	1433673.551
288	11+625	780584.254	1433664.032
289	11+635	780587.318	1433654.513
290	11+645	780590.383	1433644.994
291	11+655	780593.448	1433635.476
292	11+665	780596.513	1433625.957
293	11+675	780599.577	1433616.438
294	11+685	780602.642	1433606.919
295	11+695	780605.707	1433597.400
296	11+705	780608.771	1433587.882
297	11+715	780611.836	1433578.363
298	11+725	780614.901	1433568.844
299	11+735	780617.966	1433559.325
300	11+745	780621.030	1433549.806
301	11+755	780624.095	1433540.288
302	11+765	780627.160	1433530.769
303	11+775	780630.225	1433521.250
304	11+785	780633.289	1433511.731
305	11+795	780636.354	1433502.212
306	11+805	780639.419	1433492.694
307	11+815	780642.484	1433483.175
308	11+825	780645.548	1433473.656
309	11+835	780648.613	1433464.137
310	11+845	780651.678	1433454.619
311	11+855	780654.743	1433445.100
312	11+865	780657.807	1433435.581
313	11+875	780660.872	1433426.062
314	11+885	780663.937	1433416.543
315	11+895	780667.002	1433407.025
316	11+905	780670.066	1433397.506
317	11+915	780673.131	1433387.987
318	11+925	780676.196	1433378.468
319	11+935	780679.261	1433368.949
320	11+945	780682.325	1433359.431
321	11+955	780685.390	1433349.912

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
322	11+965	780688.455	1433340.393
323	11+975	780691.519	1433330.874
324	11+985	780694.584	1433321.355
325	11+995	780697.649	1433311.837
326	12+005	780700.714	1433302.318
327	12+015	780703.778	1433292.799
328	12+025	780706.843	1433283.280
329	12+035	780709.908	1433273.762
330	12+045	780712.973	1433264.243
331	12+055	780716.037	1433254.724
332	12+065	780719.102	1433245.205
333	12+075	780722.167	1433235.686
334	12+085	780725.232	1433226.168
335	12+095	780728.296	1433216.649
336	12+105	780731.361	1433207.130
337	12+115	780734.426	1433197.611
338	12+125	780737.491	1433188.092
339	12+135	780740.555	1433178.574
340	12+145	780743.620	1433169.055
341	12+155	780746.685	1433159.536
342	12+165	780749.750	1433150.017
343	12+175	780752.814	1433140.498
344	12+185	780755.879	1433130.980
345	12+195	780758.944	1433121.461
346	12+205	780762.009	1433111.942
347	12+215	780765.073	1433102.423
348	12+225	780768.138	1433092.905
349	12+235	780771.203	1433083.386
350	12+245	780774.267	1433073.867
351	12+255	780777.332	1433064.348
352	12+265	780780.397	1433054.829
353	12+275	780783.462	1433045.311
354	12+285	780786.526	1433035.792
355	12+295	780789.591	1433026.273
356	12+305	780792.656	1433016.754
357	12+315	780795.721	1433007.235
358	12+325	780798.785	1432997.717
359	12+335	780801.850	1432988.198
360	12+345	780804.915	1432978.679
361	12+355	780807.980	1432969.160
362	12+365	780811.044	1432959.641
363	12+375	780814.109	1432950.123
364	12+385	780817.174	1432940.604
365	12+395	780820.239	1432931.085
366	12+405	780823.303	1432921.566
367	12+415	780826.368	1432912.048
368	12+425	780829.433	1432902.529
369	12+435	780832.498	1432893.010
370	12+445	780835.562	1432883.491
371	12+455	780838.627	1432873.972
372	12+465	780841.692	1432864.454

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
373	12+475	780844.757	1432854.935
374	12+485	780847.821	1432845.416
375	12+495	780850.886	1432835.897
376	12+505	780853.951	1432826.378
377	12+515	780857.015	1432816.860
378	12+525	780860.080	1432807.341
379	12+535	780863.145	1432797.822
380	12+545	780866.210	1432788.303
381	12+555	780869.274	1432778.784
382	12+565	780872.339	1432769.266
383	12+575	780875.404	1432759.747
384	12+585	780878.469	1432750.228
385	12+595	780881.533	1432740.709
386	12+605	780884.598	1432731.190
387	12+615	780887.663	1432721.672
388	12+625	780890.728	1432712.153
389	12+635	780893.792	1432702.634
390	12+645	780896.857	1432693.115
391	12+655	780899.922	1432683.597
392	12+665	780902.987	1432674.078
393	12+675	780906.051	1432664.559
394	12+685	780909.116	1432655.040
395	12+695	780912.181	1432645.521
396	12+705	780915.246	1432636.003
397	12+715	780918.310	1432626.484
398	12+725	780921.375	1432616.965
399	12+735	780924.440	1432607.446
400	12+745	780927.505	1432597.927
401	12+755	780930.569	1432588.409
402	12+765	780933.634	1432578.890
403	12+775	780936.699	1432569.371
404	12+785	780939.763	1432559.852
405	12+795	780942.828	1432550.333
406	12+805	780945.893	1432540.815
407	12+815	780948.958	1432531.296
408	12+825	780952.022	1432521.777
409	12+835	780955.087	1432512.258
410	12+845	780958.152	1432502.740
411	12+855	780961.217	1432493.221
412	12+865	780964.281	1432483.702
413	12+875	780967.346	1432474.183
414	12+885	780970.411	1432464.664
415	12+895	780973.476	1432455.146
416	12+905	780976.540	1432445.627
417	12+915	780979.605	1432436.108
418	12+925	780982.670	1432426.589
419	12+935	780985.735	1432417.070
420	12+945	780988.799	1432407.552
421	12+955	780991.864	1432398.033
422	12+965	780994.929	1432388.514
423	12+975	780997.994	1432378.995

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
424	12+985	781001.058	1432369.476
425	12+995	781004.123	1432359.958
426	13+005	781007.188	1432350.439
427	13+015	781010.253	1432340.920
428	13+025	781013.317	1432331.401
429	13+035	781016.382	1432321.883
430	13+045	781019.447	1432312.364
431	13+055	781022.511	1432302.845
432	13+065	781025.576	1432293.326
433	13+075	781028.641	1432283.807
434	13+085	781031.706	1432274.289
435	13+095	781034.770	1432264.770
436	13+105	781037.835	1432255.251
437	13+115	781040.910	1432245.736
438	13+125	781044.015	1432236.230
439	13+135	781047.170	1432226.740
440	13+145	781050.396	1432217.275
441	13+155	781053.713	1432207.841
442	13+165	781057.141	1432198.447
443	13+175	781060.701	1432189.103
444	13+185	781064.411	1432179.816
445	13+195	781068.291	1432170.600
446	13+205	781072.360	1432161.465
447	13+215	781076.634	1432152.425
448	13+225	781081.130	1432143.493
449	13+235	781085.847	1432134.676
450	13+245	781090.783	1432125.979
451	13+255	781095.935	1432117.409
452	13+265	781101.300	1432108.970
453	13+275	781106.874	1432100.668
454	13+285	781112.654	1432092.508
455	13+295	781118.636	1432084.495
456	13+305	781124.816	1432076.633
457	13+315	781131.191	1432068.929
458	13+325	781137.757	1432061.387
459	13+335	781144.509	1432054.011
460	13+345	781151.443	1432046.806
461	13+355	781158.555	1432039.777
462	13+365	781165.841	1432032.927
463	13+375	781173.296	1432026.262
464	13+385	781180.915	1432019.786
465	13+395	781188.693	1432013.502
466	13+405	781196.626	1432007.414
467	13+415	781204.703	1432001.518
468	13+425	781212.907	1431995.800
469	13+435	781221.222	1431990.246
470	13+445	781229.633	1431984.838
471	13+455	781238.127	1431979.560
472	13+465	781246.689	1431974.394
473	13+475	781255.308	1431969.323
474	13+485	781263.972	1431964.329

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
475	13+495	781272.668	1431959.392
476	13+505	781281.387	1431954.495
477	13+515	781290.117	1431949.618
478	13+525	781298.850	1431944.745
479	13+535	781307.582	1431939.872
480	13+545	781316.314	1431934.999
481	13+555	781325.047	1431930.126
482	13+565	781333.779	1431925.253
483	13+575	781342.511	1431920.380
484	13+585	781351.244	1431915.507
485	13+595	781359.976	1431910.634
486	13+605	781368.708	1431905.761
487	13+615	781377.440	1431900.888
488	13+625	781386.173	1431896.015
489	13+635	781394.905	1431891.142
490	13+645	781403.637	1431886.268
491	13+655	781412.370	1431881.395
492	13+665	781421.102	1431876.522
493	13+675	781429.834	1431871.649
494	13+685	781438.567	1431866.776
495	13+695	781447.299	1431861.903
496	13+705	781456.031	1431857.030
497	13+715	781464.764	1431852.157
498	13+725	781473.496	1431847.284
499	13+735	781482.228	1431842.411
500	13+745	781490.961	1431837.538
501	13+755	781499.693	1431832.665
502	13+765	781508.425	1431827.792
503	13+775	781517.158	1431822.919
504	13+785	781525.890	1431818.046
505	13+795	781534.622	1431813.173
506	13+805	781543.355	1431808.300
507	13+815	781552.087	1431803.427
508	13+825	781560.819	1431798.554
509	13+835	781569.552	1431793.681
510	13+845	781578.284	1431788.808
511	13+855	781587.016	1431783.934
512	13+865	781595.748	1431779.061
513	13+875	781604.481	1431774.188
514	13+885	781613.213	1431769.315
515	13+895	781621.945	1431764.442
516	13+905	781630.678	1431759.569
517	13+915	781639.410	1431754.696
518	13+925	781648.142	1431749.823
519	13+935	781656.875	1431744.950
520	13+945	781665.607	1431740.077
521	13+955	781674.339	1431735.204
522	13+965	781683.072	1431730.331
523	13+975	781691.804	1431725.458
524	13+985	781700.536	1431720.585
525	13+995	781709.269	1431715.712

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
526	14+005	781718.001	1431710.839
527	14+015	781726.733	1431705.966
528	14+025	781735.466	1431701.093
529	14+035	781744.198	1431696.220
530	14+045	781752.930	1431691.347
531	14+055	781761.663	1431686.474
532	14+065	781770.395	1431681.601
533	14+075	781779.127	1431676.727
534	14+085	781787.860	1431671.854
535	14+095	781796.592	1431666.981
536	14+105	781805.324	1431662.108
537	14+115	781814.056	1431657.235
538	14+125	781822.789	1431652.362
539	14+135	781831.521	1431647.489
540	14+145	781840.253	1431642.616
541	14+155	781848.986	1431637.743
542	14+165	781857.718	1431632.870
543	14+175	781866.450	1431627.997
544	14+185	781875.183	1431623.124
545	14+195	781883.915	1431618.251
546	14+205	781892.647	1431613.378
547	14+215	781901.380	1431608.505
548	14+225	781910.112	1431603.632
549	14+235	781918.844	1431598.759
550	14+245	781927.577	1431593.886
551	14+255	781936.309	1431589.013
552	14+265	781945.041	1431584.140
553	14+275	781953.774	1431579.267
554	14+285	781962.506	1431574.393
555	14+295	781971.238	1431569.520
556	14+305	781979.971	1431564.647
557	14+315	781988.703	1431559.774
558	14+325	781997.435	1431554.901
559	14+335	782006.168	1431550.028
560	14+345	782014.900	1431545.155
561	14+355	782023.632	1431540.282
562	14+365	782032.364	1431535.409
563	14+375	782041.097	1431530.536
564	14+385	782049.829	1431525.663
565	14+395	782058.561	1431520.790
566	14+405	782067.294	1431515.917
567	14+415	782076.026	1431511.044
568	14+425	782084.758	1431506.171
569	14+435	782093.491	1431501.298
570	14+445	782102.223	1431496.425
571	14+455	782110.955	1431491.552
572	14+465	782119.688	1431486.679
573	14+475	782128.420	1431481.806
574	14+485	782137.152	1431476.933
575	14+495	782145.885	1431472.060
576	14+505	782154.617	1431467.186

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
577	14+515	782163.349	1431462.313
578	14+525	782172.082	1431457.440
579	14+535	782180.814	1431452.567
580	14+545	782189.546	1431447.694
581	14+555	782198.279	1431442.821
582	14+565	782207.011	1431437.948
583	14+575	782215.743	1431433.075
584	14+585	782224.476	1431428.202
585	14+595	782233.208	1431423.329
586	14+605	782241.944	1431418.462
587	14+615	782250.704	1431413.640
588	14+625	782259.515	1431408.911
589	14+635	782268.399	1431404.320
590	14+645	782277.358	1431399.877
591	14+655	782286.389	1431395.584
592	14+665	782295.491	1431391.442
593	14+675	782304.661	1431387.453
594	14+685	782313.895	1431383.617
595	14+695	782323.193	1431379.935
596	14+705	782332.550	1431376.409
597	14+715	782341.965	1431373.039
598	14+725	782351.435	1431369.826
599	14+735	782360.957	1431366.772
600	14+745	782370.529	1431363.877
601	14+755	782380.147	1431361.142
602	14+765	782389.810	1431358.567
603	14+775	782399.515	1431356.154
604	14+785	782409.258	1431353.903
605	14+795	782419.037	1431351.815
606	14+805	782428.846	1431349.871
607	14+815	782438.674	1431348.021
608	14+825	782448.508	1431346.211
609	14+835	782458.344	1431344.404
610	14+845	782468.179	1431342.596
611	14+855	782478.015	1431340.789
612	14+865	782487.850	1431338.982
613	14+875	782497.685	1431337.175
614	14+885	782507.521	1431335.368
615	14+895	782517.356	1431333.561
616	14+905	782527.191	1431331.754
617	14+915	782537.027	1431329.947
618	14+925	782546.862	1431328.140
619	14+935	782556.698	1431326.333
620	14+945	782566.533	1431324.526
621	14+955	782576.368	1431322.719
622	14+965	782586.204	1431320.912
623	14+975	782596.039	1431319.105
624	14+985	782605.874	1431317.298
625	14+995	782615.710	1431315.491
626	15+005	782625.545	1431313.684
627	15+015	782635.380	1431311.877

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
628	15+025	782645.216	1431310.069
629	15+035	782655.051	1431308.262
630	15+045	782664.887	1431306.455
631	15+055	782674.722	1431304.648
632	15+065	782684.557	1431302.841
633	15+075	782694.393	1431301.034
634	15+085	782704.228	1431299.227
635	15+095	782714.063	1431297.420
636	15+105	782723.899	1431295.613
637	15+115	782733.734	1431293.806
638	15+125	782743.570	1431291.999
639	15+135	782753.405	1431290.192
640	15+145	782763.240	1431288.385
641	15+155	782773.076	1431286.578
642	15+165	782782.911	1431284.771
643	15+175	782792.746	1431282.964
644	15+185	782802.582	1431281.157
645	15+195	782812.417	1431279.350
646	15+205	782822.253	1431277.542
647	15+215	782832.088	1431275.735
648	15+225	782841.923	1431273.928
649	15+235	782851.759	1431272.121
650	15+245	782861.594	1431270.314
651	15+255	782871.429	1431268.507
652	15+265	782881.265	1431266.700
653	15+275	782891.100	1431264.893
654	15+285	782900.936	1431263.086
655	15+295	782910.771	1431261.279
656	15+305	782920.606	1431259.472
657	15+315	782930.442	1431257.665
658	15+325	782940.277	1431255.858
659	15+335	782950.112	1431254.051
660	15+345	782959.948	1431252.244
661	15+355	782969.783	1431250.437
662	15+365	782979.619	1431248.630
663	15+375	782989.454	1431246.822
664	15+385	782999.289	1431245.015
665	15+395	783009.125	1431243.208
666	15+405	783018.960	1431241.401
667	15+415	783028.795	1431239.594
668	15+425	783038.631	1431237.787
669	15+435	783048.466	1431235.980
670	15+445	783058.302	1431234.173
671	15+455	783068.137	1431232.366
672	15+465	783077.969	1431230.541
673	15+475	783087.784	1431228.626
674	15+485	783097.564	1431226.541
675	15+495	783107.291	1431224.221
676	15+505	783116.957	1431221.659
677	15+515	783126.556	1431218.857
678	15+525	783136.082	1431215.815

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Chainage (m)	Easting-X	Northing-Y
679	15+535	783145.528	1431212.536
680	15+545	783154.890	1431209.022
681	15+555	783164.162	1431205.275
682	15+565	783173.336	1431201.297
683	15+575	783182.408	1431197.092
684	15+585	783191.373	1431192.660
685	15+595	783200.224	1431188.007
686	15+605	783208.955	1431183.133
687	15+615	783217.562	1431178.042
688	15+625	783226.040	1431172.739
689	15+635	783234.382	1431167.224
690	15+645	783242.583	1431161.503
691	15+655	783250.639	1431155.579
692	15+665	783258.544	1431149.455
693	15+675	783266.294	1431143.136
694	15+685	783273.883	1431136.625
695	15+695	783281.308	1431129.926
696	15+705	783288.562	1431123.043
697	15+715	783295.642	1431115.982
698	15+725	783302.544	1431108.745
699	15+735	783309.262	1431101.339
700	15+745	783315.793	1431093.766
701	15+755	783322.133	1431086.033
702	15+765	783328.278	1431078.144
703	15+775	783334.223	1431070.104
704	15+785	783339.966	1431061.917
705	15+795	783345.502	1431053.590
706	15+805	783350.828	1431045.127
707	15+815	783355.941	1431036.533
708	15+825	783360.838	1431027.814
709	15+835	783365.515	1431018.975
710	15+845	783369.969	1431010.023
711	15+855	783374.199	1431000.962
712	15+865	783378.200	1430991.797
713	15+875	783381.972	1430982.536
714	15+885	783385.511	1430973.183
715	15+895	783388.814	1430963.745
716	15+905	783391.881	1430954.227
717	15+915	783394.709	1430944.636
718	15+925	783397.296	1430934.977
719	15+935	783399.641	1430925.256
720	15+945	783401.753	1430915.481
721	15+955	783403.693	1430905.671
722	15+965	783405.543	1430895.844
723	15+975	783407.375	1430886.013

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

Centerline Coordinates to Approach to TBM tunnel Centre Line Tube-II (RHS)

SL No.	Station	Easting	Northing
1	15+985	783408.334	1430880.865
2	15+995	783410.181	1430871.037
3	16+005	783412.164	1430861.236
4	16+015	783414.311	1430851.469
5	16+025	783416.619	1430841.739
6	16+035	783419.090	1430832.049
7	16+045	783421.722	1430822.402
8	16+055	783424.514	1430812.800
9	16+065	783427.466	1430803.246
10	16+075	783430.577	1430793.742
11	16+085	783433.831	1430784.286
12	16+095	783437.111	1430774.839
13	16+105	783440.391	1430765.393
14	16+115	783443.670	1430755.946
15	16+125	783446.950	1430746.499
16	16+135	783450.245	1430737.057
17	16+145	783453.686	1430727.668
18	16+155	783457.453	1430718.406
19	16+165	783461.718	1430709.363
20	16+175	783466.639	1430700.660
21	16+185	783472.335	1430692.446
22	16+195	783478.803	1430684.825
23	16+205	783485.981	1430677.868
24	16+215	783493.802	1430671.642
25	16+225	783502.190	1430666.206
26	16+235	783511.068	1430661.611
27	16+245	783520.350	1430657.901
28	16+255	783529.948	1430655.111
29	16+265	783539.773	1430653.267
30	16+275	783549.730	1430652.387
31	16+285	783559.726	1430652.480
32	16+295	783569.665	1430653.543
33	16+305	783579.455	1430655.566
34	16+315	783589.027	1430658.449
35	16+325	783598.376	1430661.994
36	16+335	783607.535	1430666.007
37	16+345	783616.565	1430670.303
38	16+355	783625.544	1430674.704
39	16+365	783634.521	1430679.112
40	16+375	783643.497	1430683.519
41	16+385	783652.473	1430687.927
42	16+395	783661.453	1430692.327
43	16+405	783670.490	1430696.607
44	16+415	783679.673	1430700.565
45	16+425	783689.066	1430703.988

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
46	16+435	783698.702	1430706.652
47	16+445	783708.549	1430708.367
48	16+455	783718.519	1430709.091
49	16+465	783728.511	1430708.815
50	16+475	783738.426	1430707.544
51	16+485	783748.164	1430705.289
52	16+495	783757.628	1430702.073
53	16+505	783766.724	1430697.928
54	16+515	783775.361	1430692.896
55	16+525	783783.453	1430687.028
56	16+535	783790.969	1430680.436
57	16+545	783797.995	1430673.322
58	16+555	783804.660	1430665.868
59	16+565	783811.121	1430658.236
60	16+571	783814.777	1430653.856

Centerline Coordinates of Entry Ramp 5 (Towards Hebbal Junction)

SL No.	Station	Easting	Northing
1	00+000	780578.059	1435094.222
2	00+010	780570.596	1435100.880
3	00+020	780563.134	1435107.537
4	00+030	780555.672	1435114.194
5	00+040	780548.210	1435120.851
6	00+050	780540.748	1435127.508
7	00+060	780533.286	1435134.165
8	00+070	780525.824	1435140.823
9	00+080	780518.362	1435147.480
10	00+090	780510.900	1435154.137
11	00+100	780503.438	1435160.794
12	00+110	780495.976	1435167.451
13	00+120	780488.514	1435174.108
14	00+130	780481.052	1435180.766
15	00+140	780473.590	1435187.423
16	00+150	780466.128	1435194.080
17	00+160	780458.666	1435200.737
18	00+170	780451.166	1435207.351
19	00+180	780443.538	1435213.818
20	00+190	780435.783	1435220.131
21	00+200	780427.903	1435226.287
22	00+210	780419.902	1435232.285
23	00+220	780411.782	1435238.122
24	00+230	780403.547	1435243.795
25	00+240	780395.204	1435249.307
26	00+250	780386.830	1435254.773
27	00+260	780378.455	1435260.238
28	00+270	780370.112	1435265.751
29	00+280	780361.877	1435271.424

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
30	00+290	780353.758	1435277.261
31	00+300	780345.757	1435283.259
32	00+310	780337.877	1435289.416
33	00+320	780330.122	1435295.729
34	00+330	780322.495	1435302.196
35	00+340	780314.995	1435308.810
36	00+350	780307.533	1435315.468
37	00+360	780300.071	1435322.125
38	00+370	780292.593	1435328.764
39	00+380	780285.021	1435335.296
40	00+390	780277.266	1435341.609
41	00+400	780269.250	1435347.586
42	00+410	780260.947	1435353.157
43	00+420	780252.376	1435358.307
44	00+430	780243.570	1435363.044
45	00+440	780234.603	1435367.468
46	00+450	780225.544	1435371.704
47	00+460	780216.455	1435375.875
48	00+470	780207.366	1435380.043
49	00+480	780198.276	1435384.212
50	00+490	780189.187	1435388.381
51	00+500	780180.097	1435392.550
52	00+510	780171.007	1435396.719
53	00+520	780161.918	1435400.887
54	00+530	780152.828	1435405.056
55	00+540	780143.738	1435409.225
56	00+550	780134.649	1435413.394
57	00+560	780125.559	1435417.563
58	00+570	780116.470	1435421.731
59	00+580	780107.380	1435425.900
60	00+590	780098.290	1435430.069
61	00+600	780089.201	1435434.238
62	00+610	780080.111	1435438.407
63	00+620	780071.026	1435442.584
64	00+630	780061.986	1435446.860
65	00+640	780053.056	1435451.359
66	00+650	780044.309	1435456.205
67	00+660	780035.811	1435461.474
68	00+670	780027.587	1435467.160
69	00+680	780019.657	1435473.251
70	00+690	780012.041	1435479.730
71	00+700	780004.759	1435486.582
72	00+710	779997.828	1435493.790
73	00+720	779991.267	1435501.334
74	00+730	779985.090	1435509.197
75	00+740	779979.314	1435517.360
76	00+750	779973.954	1435525.800

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
77	00+760	779969.021	1435534.498
78	00+770	779964.530	1435543.431
79	00+780	779960.491	1435552.578
80	00+790	779956.914	1435561.916
81	00+800	779953.808	1435571.420
82	00+810	779951.181	1435581.068
83	00+820	779949.040	1435590.835
84	00+830	779947.389	1435600.696
85	00+840	779946.234	1435610.628
86	00+850	779945.576	1435620.606
87	00+860	779945.403	1435630.603
88	00+870	779945.607	1435640.601
89	00+880	779946.045	1435650.591
90	00+890	779946.576	1435660.577
91	00+900	779947.114	1435670.563
92	00+910	779947.651	1435680.548
93	00+920	779948.189	1435690.534
94	00+930	779948.727	1435700.519
95	00+940	779949.264	1435710.505
96	00+950	779949.802	1435720.490
97	00+960	779950.339	1435730.476
98	00+970	779950.877	1435740.461
99	00+980	779951.414	1435750.447
100	00+990	779951.952	1435760.432
101	01+000	779952.489	1435770.418
102	01+010	779953.027	1435780.403
103	01+020	779953.565	1435790.389
104	01+030	779954.102	1435800.375
105	01+040	779954.640	1435810.360
106	01+050	779955.177	1435820.346
107	01+060	779955.715	1435830.331
108	01+070	779956.298	1435840.314
109	01+080	779957.057	1435850.285
110	01+090	779958.136	1435860.226
111	01+100	779959.664	1435870.108
112	01+110	779961.683	1435879.901
113	01+120	779964.189	1435889.580
114	01+130	779967.176	1435899.123
115	01+140	779970.613	1435908.513
116	01+150	779974.379	1435917.776
117	01+160	779978.341	1435926.958
118	01+170	779982.369	1435936.110
119	01+180	779986.399	1435945.262
120	01+190	779990.430	1435954.414
121	01+198	779993.542	1435961.483

Centerline Coordinates of Entry Ramp 6 (Towards Silk Board Junction)

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
1	00+000	780578.059	1435094.222
2	00+010	780570.596	1435100.880
3	00+020	780563.134	1435107.537
4	00+030	780555.672	1435114.194
5	00+040	780548.210	1435120.851
6	00+050	780540.748	1435127.508
7	00+060	780533.286	1435134.165
8	00+070	780525.824	1435140.823
9	00+080	780518.362	1435147.480
10	00+090	780510.900	1435154.137
11	00+100	780503.438	1435160.794
12	00+110	780495.976	1435167.451
13	00+120	780488.514	1435174.108
14	00+130	780481.052	1435180.766
15	00+140	780473.590	1435187.423
16	00+150	780466.128	1435194.080
17	00+160	780458.666	1435200.737
18	00+170	780451.204	1435207.394
19	00+180	780443.742	1435214.052
20	00+190	780436.322	1435220.755
21	00+200	780429.034	1435227.602
22	00+210	780421.884	1435234.594
23	00+220	780414.873	1435241.724
24	00+230	780407.907	1435248.898
25	00+240	780400.940	1435256.072
26	00+250	780393.973	1435263.246
27	00+260	780387.007	1435270.420
28	00+270	780380.040	1435277.594
29	00+280	780373.004	1435284.700
30	00+290	780365.828	1435291.664
31	00+300	780358.513	1435298.483
32	00+310	780351.075	1435305.166
33	00+320	780343.613	1435311.823
34	00+330	780336.151	1435318.480
35	00+340	780328.689	1435325.138
36	00+350	780321.227	1435331.795
37	00+360	780313.765	1435338.452
38	00+370	780306.303	1435345.109
39	00+380	780298.841	1435351.766
40	00+390	780291.379	1435358.424
41	00+400	780283.917	1435365.081
42	00+410	780276.455	1435371.738
43	00+420	780268.993	1435378.395
44	00+430	780261.531	1435385.052
45	00+440	780254.069	1435391.709
46	00+450	780246.607	1435398.367
47	00+460	780239.144	1435405.024

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
48	00+470	780231.682	1435411.681
49	00+480	780224.220	1435418.338
50	00+490	780216.758	1435424.995
51	00+500	780209.296	1435431.652
52	00+510	780201.834	1435438.310
53	00+520	780194.372	1435444.967
54	00+530	780186.910	1435451.624
55	00+540	780179.448	1435458.281
56	00+550	780171.986	1435464.938
57	00+560	780164.524	1435471.596
58	00+570	780157.062	1435478.253
59	00+580	780149.600	1435484.910
60	00+590	780142.138	1435491.567
61	00+600	780134.676	1435498.224
62	00+610	780127.225	1435504.894
63	00+620	780119.858	1435511.656
64	00+630	780112.676	1435518.613
65	00+640	780105.785	1435525.859
66	00+650	780099.261	1435533.436
67	00+660	780093.123	1435541.330
68	00+670	780087.388	1435549.520
69	00+680	780082.069	1435557.987
70	00+690	780077.180	1435566.709
71	00+700	780072.733	1435575.665
72	00+710	780068.740	1435584.832
73	00+720	780065.209	1435594.187
74	00+730	780062.151	1435603.706
75	00+740	780059.572	1435613.367
76	00+750	780057.479	1435623.145
77	00+760	780055.877	1435633.014
78	00+770	780054.771	1435642.952
79	00+780	780054.162	1435652.932
80	00+790	780054.054	1435662.931
81	00+800	780054.445	1435672.922
82	00+810	780055.335	1435682.881
83	00+820	780056.721	1435692.784
84	00+830	780058.601	1435702.604
85	00+840	780060.969	1435712.319
86	00+850	780063.820	1435721.903
87	00+860	780067.146	1435731.332
88	00+870	780070.940	1435740.584
89	00+880	780075.187	1435749.636
90	00+890	780079.810	1435758.502
91	00+900	780084.678	1435767.238
92	00+910	780089.663	1435775.906
93	00+920	780094.666	1435784.565
94	00+930	780099.669	1435793.223

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
95	00+940	780104.672	1435801.882
96	00+950	780109.675	1435810.541
97	00+960	780114.678	1435819.199
98	00+970	780119.681	1435827.858
99	00+980	780124.683	1435836.516
100	00+990	780129.686	1435845.175
101	01+000	780134.689	1435853.833
102	01+010	780139.692	1435862.492
103	01+020	780144.695	1435871.151
104	01+030	780149.698	1435879.809
105	01+040	780154.701	1435888.468
106	01+050	780159.704	1435897.126
107	01+060	780164.707	1435905.785
108	01+070	780169.710	1435914.443
109	01+080	780174.712	1435923.102
110	01+090	780179.715	1435931.761
111	01+100	780184.718	1435940.419
112	01+110	780189.721	1435949.078
113	01+120	780194.724	1435957.736
114	01+130	780199.727	1435966.395
115	01+140	780204.730	1435975.054
116	01+150	780209.733	1435983.712
117	01+160	780214.736	1435992.371
118	01+170	780219.739	1436001.029
119	01+180	780224.741	1436009.688
120	01+190	780229.744	1436018.346
121	01+200	780234.747	1436027.005
122	01+210	780239.738	1436035.670
123	01+220	780244.643	1436044.385
124	01+230	780249.365	1436053.200
125	01+240	780253.802	1436062.161
126	01+250	780257.849	1436071.304
127	01+260	780261.398	1436080.652
128	01+270	780264.331	1436090.209
129	01+280	780266.531	1436099.962
130	01+290	780267.874	1436109.867
131	01+300	780268.251	1436119.856
132	01+310	780267.630	1436129.833
133	01+320	780266.015	1436139.697
134	01+330	780263.424	1436149.351
135	01+340	780259.882	1436158.699
136	01+350	780255.424	1436167.645
137	01+360	780250.096	1436176.103
138	01+370	780243.949	1436183.986
139	01+380	780237.047	1436191.216
140	01+390	780229.457	1436197.720
141	01+400	780221.256	1436203.435

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
142	01+410	780212.525	1436208.302
143	01+420	780203.352	1436212.273
144	01+430	780193.828	1436215.309
145	01+440	780184.049	1436217.379
146	01+450	780174.112	1436218.462
147	01+460	780164.116	1436218.547
148	01+470	780154.162	1436217.635
149	01+480	780144.349	1436215.733
150	01+490	780134.775	1436212.861
151	01+500	780125.535	1436209.047
152	01+510	780116.722	1436204.330
153	01+520	780108.424	1436198.757
154	01+530	780100.724	1436192.383
155	01+540	780093.694	1436185.277
156	01+550	780087.356	1436177.546
157	01+560	780081.696	1436169.306
158	01+570	780076.680	1436160.657
159	01+580	780072.262	1436151.688
160	01+590	780068.383	1436142.472
161	01+600	780064.977	1436133.071
162	01+610	780061.972	1436123.534
163	01+620	780059.291	1436113.900
164	01+630	780056.854	1436104.202
165	01+640	780054.581	1436094.464
166	01+650	780052.388	1436084.707
167	01+660	780050.208	1436074.948
168	01+670	780048.027	1436065.189
169	01+680	780045.847	1436055.429
170	01+690	780043.667	1436045.670
171	01+700	780041.487	1436035.910
172	01+710	780039.307	1436026.151
173	01+720	780037.127	1436016.391
174	01+730	780034.946	1436006.632
175	01+740	780032.766	1435996.872
176	01+750	780030.586	1435987.113
177	01+760	780028.406	1435977.353
178	01+770	780026.226	1435967.594
179	01+780	780024.046	1435957.835
180	01+784	780023.110	1435953.644

Centerline Coordinates of Entry Ramp 7 (From Siddapura Rd Near Ashok Pillar-Lalbagh)

SL No.	Station	Easting	Northing
1	00+000	780499.971	1432437.571
2	00+010	780503.803	1432446.808
3	00+020	780507.642	1432456.042
4	00+030	780511.574	1432465.236

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
5	00+040	780515.732	1432474.330
6	00+050	780520.248	1432483.251
7	00+060	780525.243	1432491.913
8	00+070	780530.792	1432500.230
9	00+080	780536.882	1432508.159
10	00+090	780543.487	1432515.664
11	00+100	780550.578	1432522.713
12	00+110	780558.122	1432529.274
13	00+120	780566.087	1432535.318
14	00+130	780574.437	1432540.818
15	00+140	780583.134	1432545.749
16	00+150	780592.141	1432550.090
17	00+160	780601.402	1432553.859
18	00+170	780610.837	1432557.168
19	00+180	780620.382	1432560.151
20	00+190	780629.983	1432562.947
21	00+200	780639.599	1432565.690
22	00+210	780649.216	1432568.433
23	00+220	780658.831	1432571.179
24	00+230	780668.425	1432574.002
25	00+240	780677.956	1432577.026
26	00+250	780687.379	1432580.371
27	00+260	780696.661	1432584.090
28	00+270	780705.788	1432588.177
29	00+280	780714.745	1432592.621
30	00+290	780723.556	1432597.349
31	00+300	780732.278	1432602.241
32	00+310	780740.970	1432607.185
33	00+320	780749.658	1432612.137
34	00+330	780758.293	1432617.181
35	00+340	780766.798	1432622.440
36	00+350	780775.085	1432628.035
37	00+360	780783.053	1432634.075
38	00+370	780790.608	1432640.623
39	00+380	780797.711	1432647.660
40	00+390	780804.329	1432655.154
41	00+400	780810.433	1432663.073
42	00+410	780815.996	1432671.380
43	00+420	780820.993	1432680.040
44	00+430	780825.402	1432689.013
45	00+440	780829.204	1432698.261
46	00+450	780832.381	1432707.741
47	00+460	780834.919	1432717.411
48	00+470	780836.808	1432727.229
49	00+480	780838.038	1432737.151
50	00+490	780838.605	1432747.133

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
51	00+500	780838.505	1432757.131
52	00+510	780837.740	1432767.100
53	00+520	780836.313	1432776.996
54	00+530	780834.273	1432786.784
55	00+540	780831.761	1432796.463
56	00+550	780828.925	1432806.052
57	00+560	780825.908	1432815.586
58	00+570	780822.844	1432825.105
59	00+580	780819.779	1432834.624
60	00+590	780816.715	1432844.142
61	00+600	780813.650	1432853.661
62	00+610	780810.585	1432863.180
63	00+620	780807.520	1432872.699
64	00+630	780804.456	1432882.218
65	00+640	780801.391	1432891.736
66	00+650	780798.326	1432901.255
67	00+660	780795.262	1432910.774
68	00+670	780792.197	1432920.293
69	00+680	780789.132	1432929.812
70	00+690	780786.067	1432939.330
71	00+700	780783.003	1432948.849
72	00+710	780779.938	1432958.368
73	00+720	780776.873	1432967.887
74	00+730	780773.808	1432977.406
75	00+740	780770.744	1432986.924
76	00+750	780767.679	1432996.443
77	00+760	780764.614	1433005.962
78	00+770	780761.549	1433015.481
79	00+780	780758.485	1433024.999
80	00+790	780755.420	1433034.518
81	00+800	780752.355	1433044.037
82	00+810	780749.290	1433053.556
83	00+820	780746.226	1433063.075
84	00+830	780743.161	1433072.593
85	00+840	780740.096	1433082.112
86	00+850	780737.031	1433091.631
87	00+860	780733.967	1433101.150
88	00+870	780730.902	1433110.669
89	00+880	780727.837	1433120.187
90	00+890	780724.772	1433129.706
91	00+900	780721.708	1433139.225
92	00+910	780718.643	1433148.744
93	00+920	780715.578	1433158.263
94	00+930	780712.514	1433167.781
95	00+940	780709.449	1433177.300
96	00+950	780706.384	1433186.819

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
97	00+960	780703.319	1433196.338
98	00+970	780700.255	1433205.856
99	00+980	780697.190	1433215.375
100	00+990	780694.125	1433224.894
101	01+000	780691.060	1433234.413
102	01+010	780687.996	1433243.932
103	01+020	780684.931	1433253.450
104	01+030	780681.866	1433262.969
105	01+040	780678.801	1433272.488
106	01+050	780675.737	1433282.007
107	01+060	780672.672	1433291.526
108	01+070	780669.607	1433301.044
109	01+080	780666.542	1433310.563
110	01+090	780663.478	1433320.082
111	01+100	780660.413	1433329.601
112	01+110	780657.348	1433339.120
113	01+120	780654.283	1433348.638
114	01+130	780651.219	1433358.157
115	01+140	780648.155	1433367.676
116	01+150	780645.116	1433377.203
117	01+160	780642.159	1433386.756
118	01+170	780639.320	1433396.345
119	01+180	780636.601	1433405.968
120	01+190	780634.003	1433415.624
121	01+200	780631.525	1433425.312
122	01+210	780629.169	1433435.031
123	01+220	780626.934	1433444.778
124	01+230	780624.822	1433454.552
125	01+240	780622.831	1433464.352
126	01+250	780620.964	1433474.176
127	01+260	780619.203	1433484.020
128	01+270	780617.493	1433493.872
129	01+280	780615.789	1433503.726
130	01+290	780614.086	1433513.580
131	01+300	780612.382	1433523.434
132	01+310	780610.678	1433533.287
133	01+320	780608.974	1433543.141
134	01+330	780607.271	1433552.995
135	01+340	780605.567	1433562.849
136	01+350	780603.863	1433572.703
137	01+360	780602.159	1433582.556
138	01+370	780600.456	1433592.410
139	01+380	780598.752	1433602.264
140	01+390	780597.048	1433612.118
141	01+400	780595.345	1433621.972
142	01+410	780593.641	1433631.825

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
143	01+417	780592.502	1433638.414

Edge line Coordinates of Entry Ramp 8 From Sarjapur Road

SL. No.	Station	Easting	Northing
1	00+000	783621.056	1430672.501
2	00+010	783630.907	1430674.222
3	00+020	783640.757	1430675.944
4	00+030	783650.608	1430677.665
5	00+040	783660.459	1430679.387
6	00+050	783670.309	1430681.109
7	00+060	783680.160	1430682.830
8	00+070	783690.011	1430684.552
9	00+080	783699.862	1430686.273
10	00+090	783709.712	1430687.995
11	00+100	783719.563	1430689.716
12	00+110	783729.414	1430691.438
13	00+120	783739.264	1430693.159
14	00+130	783749.115	1430694.881
15	00+140	783758.966	1430696.603
16	00+150	783768.816	1430698.324
17	00+160	783778.667	1430700.046
18	00+170	783788.521	1430701.750
19	00+180	783798.396	1430703.322
20	00+190	783808.312	1430704.616
21	00+200	783818.273	1430705.484
22	00+210	783828.267	1430705.776
23	00+220	783838.258	1430705.408
24	00+230	783848.203	1430704.374
25	00+240	783858.057	1430702.685
26	00+250	783867.798	1430700.427
27	00+260	783877.432	1430697.748
28	00+270	783886.985	1430694.794
29	00+280	783896.497	1430691.708
30	00+290	783906.003	1430688.603
31	00+300	783915.509	1430685.498
32	00+310	783925.014	1430682.393
33	00+320	783934.520	1430679.288
34	00+330	783944.026	1430676.183
35	00+340	783953.532	1430673.078
36	00+350	783963.037	1430669.973
37	00+360	783972.543	1430666.868
38	00+370	783982.049	1430663.763
39	00+380	783991.555	1430660.659
40	00+390	784001.070	1430657.584
41	00+400	784010.620	1430654.618

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL. No.	Station	Easting	Northing
42	00+410	784020.229	1430651.848
43	00+420	784029.914	1430649.360
44	00+430	784039.685	1430647.236
45	00+440	784049.533	1430645.504
46	00+450	784059.442	1430644.160
47	00+460	784069.389	1430643.140
48	00+470	784079.358	1430642.358
49	00+480	784089.338	1430641.725
50	00+490	784099.322	1430641.153
51	00+500	784109.306	1430640.585
52	00+510	784119.290	1430640.018
53	00+520	784129.274	1430639.450
54	00+530	784139.258	1430638.883
55	00+540	784149.241	1430638.316
56	00+550	784159.225	1430637.748
57	00+560	784169.209	1430637.181
58	00+570	784179.193	1430636.613
59	00+580	784189.177	1430636.046
60	00+590	784199.161	1430635.478
61	00+596	784205.140	1430635.139

Centerline Coordinates of Exit Ramp 1 Towards Sarjapur

SL No.	Station	Easting	Northing
1	00+000	783627.394	1430690.597
2	00+010	783633.865	1430698.220
3	00+020	783640.337	1430705.844
4	00+030	783646.808	1430713.468
5	00+040	783653.279	1430721.092
6	00+050	783659.750	1430728.716
7	00+060	783666.221	1430736.340
8	00+070	783672.692	1430743.964
9	00+080	783679.163	1430751.588
10	00+090	783685.645	1430759.203
11	00+100	783692.250	1430766.711
12	00+110	783699.138	1430773.959
13	00+120	783706.452	1430780.776
14	00+130	783714.303	1430786.963
15	00+140	783722.751	1430792.304
16	00+150	783731.739	1430796.675
17	00+160	783741.157	1430800.024
18	00+170	783750.887	1430802.307
19	00+180	783760.811	1430803.497
20	00+190	783770.806	1430803.580
21	00+200	783780.750	1430802.569
22	00+210	783790.556	1430800.625

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
23	00+220	783800.198	1430797.977
24	00+230	783809.696	1430794.851
25	00+240	783819.104	1430791.462
26	00+250	783828.487	1430788.005
27	00+260	783837.871	1430784.548
28	00+270	783847.254	1430781.091
29	00+280	783856.637	1430777.634
30	00+290	783866.021	1430774.176
31	00+300	783875.404	1430770.719
32	00+310	783884.788	1430767.262
33	00+320	783894.171	1430763.805
34	00+330	783903.554	1430760.348
35	00+340	783912.938	1430756.891
36	00+350	783922.321	1430753.434
37	00+360	783931.705	1430749.977
38	00+370	783941.088	1430746.520
39	00+380	783950.471	1430743.062
40	00+390	783959.855	1430739.605
41	00+400	783969.238	1430736.148
42	00+410	783978.622	1430732.691
43	00+420	783988.005	1430729.234
44	00+430	783997.388	1430725.777
45	00+440	784006.772	1430722.320
46	00+450	784016.155	1430718.863
47	00+455	784020.477	1430717.270

Centerline Coordinates of Exit Ramp 2 (Towards Siddapura Rd Near Wilson Garden)

SL No.	Station	Easting	Northing
1	00+000	780661.345	1433522.482
2	00+010	780665.684	1433513.473
3	00+020	780670.023	1433504.463
4	00+030	780674.362	1433495.453
5	00+040	780678.701	1433486.444
6	00+050	780683.040	1433477.434
7	00+060	780687.379	1433468.425
8	00+070	780691.718	1433459.415
9	00+080	780696.057	1433450.405
10	00+090	780700.396	1433441.396
11	00+100	780704.735	1433432.386
12	00+110	780709.074	1433423.377
13	00+120	780713.413	1433414.367
14	00+130	780717.752	1433405.357
15	00+140	780722.091	1433396.348
16	00+150	780726.430	1433387.338
17	00+160	780730.769	1433378.329
18	00+170	780735.108	1433369.319

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
19	00+180	780739.447	1433360.309
20	00+190	780743.775	1433351.294
21	00+200	780748.008	1433342.235
22	00+210	780752.043	1433333.085
23	00+220	780755.849	1433323.838
24	00+230	780759.422	1433314.498
25	00+240	780762.761	1433305.073
26	00+250	780765.910	1433295.581
27	00+260	780768.980	1433286.064
28	00+270	780772.045	1433276.546
29	00+280	780775.110	1433267.027
30	00+290	780778.174	1433257.508
31	00+300	780781.239	1433247.989
32	00+310	780784.304	1433238.470
33	00+320	780787.368	1433228.952
34	00+330	780790.433	1433219.433
35	00+340	780793.498	1433209.914
36	00+350	780796.563	1433200.395
37	00+360	780799.627	1433190.876
38	00+370	780802.692	1433181.358
39	00+380	780805.757	1433171.839
40	00+390	780808.822	1433162.320
41	00+400	780811.886	1433152.801
42	00+410	780814.951	1433143.283
43	00+420	780818.016	1433133.764
44	00+430	780821.081	1433124.245
45	00+440	780824.145	1433114.726
46	00+450	780827.210	1433105.207
47	00+460	780830.275	1433095.689
48	00+470	780833.340	1433086.170
49	00+480	780836.404	1433076.651
50	00+490	780839.469	1433067.132
51	00+500	780842.534	1433057.613
52	00+510	780845.599	1433048.095
53	00+520	780848.663	1433038.576
54	00+530	780851.728	1433029.057
55	00+540	780854.793	1433019.538
56	00+550	780857.858	1433010.019
57	00+560	780860.922	1433000.501
58	00+570	780863.987	1432990.982
59	00+580	780867.052	1432981.463
60	00+590	780870.116	1432971.944
61	00+600	780873.181	1432962.426
62	00+610	780876.246	1432952.907
63	00+620	780879.311	1432943.388
64	00+630	780882.375	1432933.869

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
65	00+640	780885.440	1432924.350
66	00+650	780888.505	1432914.832
67	00+660	780891.570	1432905.313
68	00+670	780894.634	1432895.794
69	00+680	780897.699	1432886.275
70	00+690	780900.782	1432876.762
71	00+700	780903.989	1432867.291
72	00+710	780907.450	1432857.909
73	00+720	780911.290	1432848.677
74	00+730	780915.628	1432839.668
75	00+740	780920.516	1432830.947
76	00+750	780925.940	1432822.547
77	00+760	780931.877	1432814.503
78	00+770	780938.306	1432806.845
79	00+780	780945.200	1432799.603
80	00+790	780952.533	1432792.807
81	00+800	780960.276	1432786.481
82	00+810	780968.399	1432780.652
83	00+820	780976.871	1432775.341
84	00+830	780985.657	1432770.570
85	00+840	780994.725	1432766.357
86	00+850	781004.038	1432762.719
87	00+860	781013.559	1432759.669
88	00+870	781023.253	1432757.220
89	00+880	781033.081	1432755.381
90	00+890	781043.005	1432754.160
91	00+900	781052.985	1432753.561
92	00+910	781062.983	1432753.586
93	00+920	781072.961	1432754.236
94	00+930	781082.878	1432755.508
95	00+940	781092.696	1432757.396
96	00+950	781102.377	1432759.895
97	00+960	781111.885	1432762.989
98	00+970	781121.209	1432766.601
99	00+980	781130.377	1432770.592
100	00+990	781139.433	1432774.833
101	01+000	781148.432	1432779.194
102	01+010	781157.422	1432783.574
103	01+020	781166.412	1432787.953
104	01+030	781175.402	1432792.333
105	01+040	781184.392	1432796.713
106	01+050	781193.382	1432801.093
107	01+060	781202.371	1432805.473
108	01+070	781211.361	1432809.852
109	01+080	781220.351	1432814.232
110	01+083	781223.481	1432815.757

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

Centerline Coordinates of Exit Ramp 3 (From Silk Board Kr Circle On Seshadri Road)

SL No.	Station	Easting	Northing
1	00+000	780008.568	1436201.012
2	00+010	780008.019	1436210.997
3	00+020	780007.471	1436220.982
4	00+030	780006.922	1436230.967
5	00+040	780006.373	1436240.952
6	00+050	780005.825	1436250.937
7	00+060	780005.276	1436260.922
8	00+070	780004.727	1436270.907
9	00+080	780004.179	1436280.892
10	00+090	780003.630	1436290.876
11	00+100	780003.075	1436300.861
12	00+110	780002.419	1436310.839
13	00+120	780001.497	1436320.796
14	00+130	780000.145	1436330.703
15	00+140	779998.207	1436340.512
16	00+150	779995.621	1436350.170
17	00+160	779992.398	1436359.634
18	00+170	779988.552	1436368.863
19	00+180	779984.100	1436377.815
20	00+190	779979.060	1436386.450
21	00+200	779973.457	1436394.731
22	00+210	779967.315	1436402.620
23	00+220	779960.661	1436410.082
24	00+230	779953.524	1436417.084
25	00+240	779945.937	1436423.596
26	00+250	779937.933	1436429.587
27	00+260	779929.548	1436435.032
28	00+270	779920.818	1436439.907
29	00+280	779911.783	1436444.188
30	00+290	779902.483	1436447.859
31	00+300	779892.959	1436450.902
32	00+310	779883.254	1436453.303
33	00+320	779873.410	1436455.053
34	00+330	779863.475	1436456.183
35	00+340	779853.497	1436456.835
36	00+350	779843.503	1436457.176
37	00+360	779833.505	1436457.372
38	00+370	779823.507	1436457.549
39	00+380	779813.508	1436457.726
40	00+390	779803.510	1436457.903
41	00+400	779793.512	1436458.080
42	00+410	779783.513	1436458.257
43	00+420	779773.515	1436458.434
44	00+430	779763.516	1436458.611
45	00+440	779753.518	1436458.788

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
46	00+450	779743.519	1436458.965
47	00+460	779733.521	1436459.143
48	00+470	779723.524	1436459.368
49	00+480	779713.530	1436459.735
50	00+490	779703.549	1436460.344
51	00+500	779693.595	1436461.293
52	00+510	779683.693	1436462.679
53	00+520	779673.880	1436464.598
54	00+530	779664.211	1436467.140
55	00+540	779654.754	1436470.384
56	00+550	779645.574	1436474.345
57	00+560	779636.726	1436478.999
58	00+570	779628.262	1436484.319
59	00+580	779620.231	1436490.274
60	00+590	779612.682	1436496.829
61	00+600	779605.659	1436503.944
62	00+610	779599.204	1436511.578
63	00+620	779593.354	1436519.686
64	00+630	779588.145	1436528.219
65	00+640	779583.607	1436537.127
66	00+650	779579.766	1436546.357
67	00+660	779576.647	1436555.856
68	00+670	779574.266	1436565.566
69	00+680	779572.639	1436575.430
70	00+690	779571.775	1436585.390
71	00+700	779571.679	1436595.387
72	00+710	779572.351	1436605.362
73	00+720	779573.788	1436615.256
74	00+730	779575.980	1436625.010
75	00+740	779578.916	1436634.567
76	00+750	779582.578	1436643.870
77	00+760	779586.943	1436652.864
78	00+770	779591.987	1436661.495
79	00+780	779597.680	1436669.714
80	00+790	779603.987	1436677.471
81	00+800	779610.871	1436684.721
82	00+810	779618.293	1436691.420
83	00+820	779626.199	1436697.538
84	00+830	779634.525	1436703.073
85	00+840	779643.208	1436708.030
86	00+850	779652.191	1436712.422
87	00+860	779661.420	1436716.267
88	00+870	779670.851	1436719.590
89	00+880	779680.441	1436722.418
90	00+890	779690.157	1436724.783
91	00+900	779699.967	1436726.718
92	00+910	779709.847	1436728.259

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
93	00+920	779719.776	1436729.443
94	00+930	779729.738	1436730.309
95	00+940	779739.721	1436730.895
96	00+950	779749.715	1436731.240
97	00+960	779759.713	1436731.385
98	00+970	779769.713	1436731.370
99	00+980	779779.712	1436731.233
100	00+990	779789.710	1436731.016
101	01+000	779799.707	1436730.758
102	01+010	779809.703	1436730.492
103	01+020	779819.700	1436730.227
104	01+030	779829.696	1436729.961
105	01+040	779839.693	1436729.696
106	01+050	779849.689	1436729.430
107	01+060	779859.685	1436729.165
108	01+070	779869.682	1436728.899
109	01+080	779879.678	1436728.634
110	01+090	779889.675	1436728.368
111	01+100	779899.671	1436728.103
112	01+110	779909.668	1436727.837
113	01+120	779919.663	1436727.535
114	01+130	779929.652	1436727.068
115	01+140	779939.621	1436726.294
116	01+150	779949.545	1436725.071
117	01+160	779959.378	1436723.262
118	01+170	779969.051	1436720.734
119	01+180	779978.463	1436717.367
120	01+190	779987.498	1436713.090
121	01+200	779996.060	1436707.933
122	01+210	780004.065	1436701.946
123	01+220	780011.433	1436695.191
124	01+230	780018.089	1436687.733
125	01+240	780023.967	1436679.649
126	01+250	780029.040	1436671.035
127	01+260	780033.376	1436662.027
128	01+270	780037.077	1436652.739
129	01+280	780040.262	1436643.260
130	01+290	780043.058	1436633.660
131	01+300	780045.599	1436623.988
132	01+310	780048.021	1436614.286
133	01+320	780050.428	1436604.580
134	01+330	780052.836	1436594.874
135	01+340	780055.243	1436585.168
136	01+350	780057.651	1436575.462
137	01+360	780060.059	1436565.756
138	01+370	780062.466	1436556.051
139	01+380	780064.874	1436546.345

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL No.	Station	Easting	Northing
140	01+390	780067.282	1436536.639
141	01+400	780069.689	1436526.933
142	01+410	780072.097	1436517.227
143	01+420	780074.505	1436507.521
144	01+430	780076.912	1436497.816
145	01+440	780079.320	1436488.110
146	01+450	780081.727	1436478.404
147	01+460	780084.135	1436468.698
148	01+465	780085.296	1436464.018

Centerline Coordinates of Exit Ramp 4 (From Hebbal Towards Kr Circle On Seshadri Rd)

SL. No.	Station	Easting	Northing
1	00+000	780104.499	1437251.093
2	00+010	780105.179	1437241.116
3	00+020	780105.858	1437231.140
4	00+030	780106.538	1437221.163
5	00+040	780107.217	1437211.186
6	00+050	780107.897	1437201.209
7	00+060	780108.576	1437191.232
8	00+070	780109.256	1437181.255
9	00+080	780109.935	1437171.278
10	00+090	780110.615	1437161.301
11	00+100	780111.294	1437151.324
12	00+110	780111.974	1437141.348
13	00+120	780112.653	1437131.371
14	00+130	780113.333	1437121.394
15	00+140	780114.012	1437111.417
16	00+150	780114.692	1437101.440
17	00+160	780115.371	1437091.463
18	00+170	780116.051	1437081.486
19	00+180	780116.730	1437071.509
20	00+190	780117.410	1437061.533
21	00+200	780118.085	1437051.555
22	00+210	780118.686	1437041.573
23	00+220	780119.093	1437031.582
24	00+230	780119.252	1437021.584
25	00+240	780119.160	1437011.584
26	00+250	780118.820	1437001.590
27	00+260	780118.281	1436991.605
28	00+270	780117.662	1436981.624
29	00+280	780117.038	1436971.644
30	00+290	780116.414	1436961.663
31	00+300	780115.790	1436951.683
32	00+310	780115.166	1436941.702
33	00+320	780114.542	1436931.722
34	00+330	780113.918	1436921.741

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL. No.	Station	Easting	Northing
35	00+340	780113.294	1436911.760
36	00+350	780112.669	1436901.780
37	00+360	780112.045	1436891.799
38	00+370	780111.421	1436881.819
39	00+380	780110.797	1436871.838
40	00+390	780110.173	1436861.858
41	00+400	780109.549	1436851.877
42	00+410	780108.925	1436841.897
43	00+420	780108.301	1436831.916
44	00+430	780107.677	1436821.936
45	00+440	780107.053	1436811.955
46	00+450	780106.429	1436801.975
47	00+460	780105.804	1436791.994
48	00+470	780105.180	1436782.014
49	00+480	780104.556	1436772.033
50	00+490	780103.932	1436762.053
51	00+500	780103.308	1436752.072
52	00+510	780102.684	1436742.092
53	00+520	780102.060	1436732.111
54	00+530	780101.436	1436722.131
55	00+540	780100.812	1436712.150
56	00+550	780100.188	1436702.170
57	00+560	780099.564	1436692.189
58	00+570	780098.940	1436682.209
59	00+580	780098.315	1436672.228
60	00+590	780097.691	1436662.248
61	00+600	780097.067	1436652.267
62	00+610	780096.443	1436642.287
63	00+620	780095.819	1436632.306
64	00+630	780095.195	1436622.326
65	00+640	780094.571	1436612.345
66	00+650	780093.947	1436602.365
67	00+660	780093.323	1436592.384
68	00+670	780092.699	1436582.404
69	00+680	780092.075	1436572.423
70	00+690	780091.450	1436562.443
71	00+700	780090.826	1436552.462
72	00+710	780090.202	1436542.482
73	00+720	780089.578	1436532.501
74	00+730	780088.954	1436522.521
75	00+740	780088.330	1436512.540
76	00+750	780087.706	1436502.560
77	00+760	780087.082	1436492.579
78	00+770	780086.458	1436482.599
79	00+780	780085.834	1436472.618
80	00+790	780085.210	1436462.638
81	00+800	780084.586	1436452.657

Appendix A-II
Coordinate System - Universal Transverse Mercator (UTM)-WGS84 (Zone 43N)
Package-2 (Design Chainage Km 8+748 to Km 16+745)
Centerline Coordinates of Tube-I (LHS)

SL. No.	Station	Easting	Northing
82	00+810	780083.961	1436442.677
83	00+820	780083.337	1436432.696
84	00+830	780082.713	1436422.716
85	00+840	780082.089	1436412.735
86	00+850	780081.473	1436402.754
87	00+860	780080.954	1436392.768
88	00+870	780080.676	1436382.772
89	00+880	780080.782	1436372.773
90	00+890	780081.413	1436362.795
91	00+900	780082.709	1436352.882
92	00+910	780084.805	1436343.107
93	00+920	780087.816	1436333.575
94	00+930	780091.763	1436324.392
95	00+940	780096.606	1436315.648
96	00+950	780102.299	1436307.431
97	00+960	780108.759	1436299.803
98	00+970	780115.840	1436292.744
99	00+980	780123.397	1436286.198
100	00+990	780131.307	1436280.081
101	01+000	780139.463	1436274.297
102	01+010	780147.774	1436268.736
103	01+020	780156.156	1436263.282
104	01+030	780164.547	1436257.842
105	01+040	780172.938	1436252.403
106	01+050	780181.329	1436246.963
107	01+060	780189.720	1436241.523
108	01+070	780198.111	1436236.084
109	01+080	780206.502	1436230.644
110	01+090	780214.893	1436225.204
111	01+100	780223.284	1436219.764
112	01+110	780231.676	1436214.325
113	01+120	780240.067	1436208.885
114	01+130	780248.458	1436203.445
115	01+140	780256.749	1436198.070